

APPENDIX B

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY RECORDS

DECEMBER 2001

12/28/2001

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A1121805-01/02

Enclosed are results for sample(s) received 12/18/01 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 12/27/01.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,



Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.





INCCPARATED
22632 GOLDEN SPRINGS DR., SUITE 270

22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

[illegible]

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Client: Geofon Incorporated
Attn: Leo W. Williamson

Page 1 of 1

Client's Project: JPL #1
Date Received: 12/18/01
Matrix: Air
Units: ppbv

EPA Method TO14

Lab No:	A1121805-01	A1121805-02			
Client Sample I.D.:	T4-VE1-C-1-01	T4-VE1-EFF-1-02			
Date Sampled:	12/18/01	12/18/01			
Date Analyzed:	12/19/01	12/19/01			
QC Batch No:	011219MS2A1	011219MS2A1			
Analyst Initials:	SC	SC			
Dilution Factor:	1.0	1.0			
ANALYTE	MDL	Result	RL	Result	RL
Dichlorodifluoromethane (12)	1.0	3.0	1.0	ND	1.0
Chloromethane	2.0	ND	2.0	ND	2.0
1,2-CI-1,1,2,2-F ethane (114)	1.0	ND	1.0	ND	1.0
Vinyl Chloride	1.0	ND	1.0	ND	1.0
Bromomethane	1.0	ND	1.0	ND	1.0
Chloroethane	1.0	ND	1.0	ND	1.0
Trichlorofluoromethane (11)	1.0	68	1.0	6.7	1.0
1,1-Dichloroethene	1.0	23	1.0	ND	1.0
1,1,2-CI 1,2,2-F ethane (113)	1.0	30	1.0	ND	1.0
Methylene Chloride	1.0	ND	1.0	ND	1.0
1,1-Dichloroethane	1.0	1.2	1.0	ND	1.0
c-1,2-Dichloroethene	1.0	ND	1.0	ND	1.0
Chloroform	1.0	93	1.0	ND	1.0
1,1,1-Trichloroethane	1.0	4.1	1.0	ND	1.0
Carbon Tetrachloride	1.0	175	1.0	ND	1.0
Benzene	1.0	ND	1.0	2.7	1.0
1,2-Dichloroethane	1.0	ND	1.0	ND	1.0
Trichloroethene	1.0	98	1.0	ND	1.0
1,2-Dichloropropane	1.0	ND	1.0	ND	1.0
c-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0
Toluene	1.0	101	1.0	4.4	1.0
t-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0
1,1,2-Trichloroethane	1.0	ND	1.0	ND	1.0
Tetrachloroethene	1.0	10	1.0	ND	1.0
1,2-Dibromoethane	1.0	ND	1.0	ND	1.0
Chlorobenzene	1.0	ND	1.0	ND	1.0
Ethylbenzene	1.0	ND	1.0	ND	1.0
p,m-Xylene	1.0	1.2	1.0	ND	1.0
o-Xylene	1.0	ND	1.0	ND	1.0
Styrene	1.0	ND	1.0	ND	1.0
1,1,2,2-Tetrachloroethane	2.0	ND	2.0	ND	2.0
1,3,5-Trimethylbenzene	2.0	ND	2.0	ND	2.0
1,2,4-Trimethylbenzene	2.0	ND	2.0	ND	2.0
1,3-Dichlorobenzene	1.0	ND	1.0	ND	1.0
1,4-Dichlorobenzene	1.0	ND	1.0	ND	1.0
1,2-Dichlorobenzene	1.0	ND	1.0	ND	1.0
1,2,4-Trichlorobenzene	2.0	ND	2.0	ND	2.0
Hexachlorobutadiene	1.0	ND	1.0	ND	1.0

MDL = Method Detection Limit

ND= Not Detected (below RL)

RL = MDL X Dilution Factor

Reviewed/Approved By:



Mark Johnson
Air Toxics Operations Manager

Date 12-27-01

The cover letter is an integral part of this analytical report



Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 011219MS2A1

Matrix: Air

EPA Method TO14/TO-15

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	12/19/01		12/19/01		12/19/01						
Data File ID:	19DEC005.D		19DEC003.D		19DEC004.D						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	1.0		1.0		1.0						
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Limits			Pass/ Fail
								Low %Rec	High %Rec	Max. RPD	
1,1-Dichloroethene	0.0	10.0	8.5	85	8.0	80	6.4	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.2	92	8.9	89	3.5	70	130	30	Pass
Trichloroethene	0.0	10.0	8.0	80	7.6	76	5.4	70	130	30	Pass
Toluene	0.0	10.0	8.2	82	8.1	81	0.9	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.5	85	8.2	82	3.1	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By:



Mark Johnson

Air Toxics Operations Manager

Date: 12-27-01

The cover letter is an integral part of this analytical report

Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

12/28/2001

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A1121903-01/02

Enclosed are results for sample(s) received 12/19/01 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 12/27/01.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,



Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.



A 1121903


GEOFON
 INCORPORATED

 22632 GOLDEN SPRINGS DR., SUITE 270
 DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD
LABORATORY COPY

GEOFON LAB COORDINATOR		LAB COORDINATOR'S PHONE		LAB COORDINATOR'S FAX		LABORATORY SERVICE ID		LABORATORY CONTACT		MAIL REPORT (COMPANY NAME)	
PROJECT NAME		PROJECT LOCATION		PROJECT NUMBER		LABORATORY PHONE		LABORATORY FAX		RECIPIENT NAME	
PROJECT CONTACT		PROJECT PHONE NUMBER		PROJECT FAX		LABORATORY ADDRESS		LABORATORY ADDRESS		ADDRESS	
PROJECT ADDRESS		CITY, STATE AND ZIP CODE		CLIENT		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE	
PROJECT MANAGER		PROJECT MANAGER'S PHONE		PROJECT MANAGER'S FAX		CITY OF INDUSTRY CA 91748		CITY OF INDUSTRY CA 91748		DIAMOND BAR CA 91765	
Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	TAT	Analyses	Comments	
1	T4-VFEL-C-1-03	AIR	12-19-01	1040NDONE	1*	3	NDLM	X		* 1 TADAR BAG SCREEN C	
2	T4-VFEL-BFF-1-04	AIR	12-19-01	1045NDONE	1*	3	NDLM	X		SCREEN EQUIVALENT	
3											
4											
5											
6											
7											
8											
9											
10											

 SAMPLES COLLECTED BY *Tony Mahan* COURIER AND AIR BILL NUMBER.

 RELINQUISHED BY *Tony Mahan*

 RECEIVED BY *Mah Mahan*

DATE 12-19-01 TIME 13:00

COOLER TEMPERATURE UPON RECEIPT

SAMPLE'S CONDITION UPON RECEIPT

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Client: Geofon Incorporated
Attn: Leo W. Williamson

Page1 of 1

Client's Project: JPL #1
Date Received: 12/19/01
Matrix: Air
Units: ppbv

EPA Method TO14										
Lab No:	A1121903-01		A1121903-02							
Client Sample I.D.:	T4-VE1-C-1-03		T4-VE1-EFF-1-04							
Date Sampled:	12/19/01		12/19/01							
Date Analyzed:	12/19/01		12/19/01							
QC Batch No:	011219MS2A1		011219MS2A1							
Analyst Initials:	SC		SC							
Dilution Factor:	1.0		1.0							
ANALYTE	MDL	Result	RL	Result	RL					
Dichlorodifluoromethane (12)	1.0	1.9	1.0	2.8	1.0					
Chloromethane	2.0	ND	2.0	ND	2.0					
1,2-CI-1,1,2,2-F ethane (114)	1.0	ND	1.0	ND	1.0					
Vinyl Chloride	1.0	ND	1.0	ND	1.0					
Bromomethane	1.0	ND	1.0	ND	1.0					
Chloroethane	1.0	ND	1.0	ND	1.0					
Trichlorofluoromethane (11)	1.0	61	1.0	20	1.0					
1,1-Dichloroethene	1.0	34	1.0	ND	1.0					
1,1,2-CI 1,2,2-F ethane (113)	1.0	43	1.0	2.4	1.0					
Methylene Chloride	1.0	ND	1.0	ND	1.0					
1,1-Dichloroethane	1.0	1.5	1.0	ND	1.0					
c-1,2-Dichloroethene	1.0	ND	1.0	ND	1.0					
Chloroform	1.0	99	1.0	ND	1.0					
1,1,1-Trichloroethane	1.0	5.7	1.0	ND	1.0					
Carbon Tetrachloride	1.0	215	1.0	ND	1.0					
Benzene	1.0	ND	1.0	2.4	1.0					
1,2-Dichloroethane	1.0	1.2	1.0	ND	1.0					
Trichloroethene	1.0	112	1.0	ND	1.0					
1,2-Dichloropropane	1.0	ND	1.0	ND	1.0					
c-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0					
Toluene	1.0	35	1.0	3.9	1.0					
t-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0					
1,1,2-Trichloroethane	1.0	ND	1.0	ND	1.0					
Tetrachloroethene	1.0	13	1.0	ND	1.0					
1,2-Dibromoethane	1.0	ND	1.0	ND	1.0					
Chlorobenzene	1.0	ND	1.0	ND	1.0					
Ethylbenzene	1.0	ND	1.0	ND	1.0					
p,&m-Xylene	1.0	1.3	1.0	ND	1.0					
o-Xylene	1.0	ND	1.0	ND	1.0					
Styrene	1.0	ND	1.0	ND	1.0					
1,1,2,2-Tetrachloroethane	2.0	ND	2.0	ND	2.0					
1,3,5-Trimethylbenzene	2.0	ND	2.0	ND	2.0					
1,2,4-Trimethylbenzene	2.0	ND	2.0	ND	2.0					
1,3-Dichlorobenzene	1.0	ND	1.0	ND	1.0					
1,4-Dichlorobenzene	1.0	ND	1.0	ND	1.0					
1,2-Dichlorobenzene	1.0	ND	1.0	ND	1.0					
1,2,4-Trichlorobenzene	2.0	ND	2.0	ND	2.0					
Hexachlorobutadiene	1.0	ND	1.0	ND	1.0					

MDL = Method Detection Limit

ND= Not Detected (below RL)

RL = MDL X Dilution Factor

Reviewed/Approved By: Mark Johnson

Mark Johnson
Air Toxics Operations Manager

Date 12-27-01

The cover letter is an integral part of this analytical report



Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 011219MS2A1

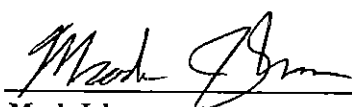
Matrix: Air

EPA Method TO14/TO-15

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	12/19/01		12/19/01		12/19/01						
Data File ID:	19DEC005.D		19DEC003.D		19DEC004.D						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	1.0		1.0		1.0						
							Limits				
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.5	85	8.0	80	6.4	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.2	92	8.9	89	3.5	70	130	30	Pass
Trichloroethene	0.0	10.0	8.0	80	7.6	76	5.4	70	130	30	Pass
Toluene	0.0	10.0	8.2	82	8.1	81	0.9	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.5	85	8.2	82	3.1	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By:



Mark Johnson

Air Toxics Operations Manager

Date: 12-27-01

The cover letter is an integral part of this analytical report

Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

12/28/2001

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A1122002-01/02

Enclosed are results for sample(s) received 12/20/01 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).


Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 12/27/01.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

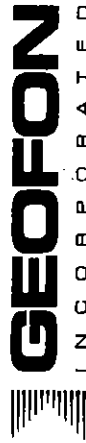


Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.





I N C O R P O R A T E D
22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEORGE'S LAB COORDINATOR		LAB COORDINATOR'S PHONE		LAB COORDINATOR'S FAX		LABORATORY SERVICE ID		LABORATORY CONTACT		MAIL REPORT (COMPANY NAME)	
PROJECT NAME		PROJECT LOCATION		PROJECT NUMBER		LABORATORY PHONE		LABORATORY FAX		RECIPIENT NAME	
PROJECT CONTACT		PROJECT PHONE NUMBER		PROJECT FAX		LABORATORY ADDRESS		LABORATORY ADDRESS		ADDRESS	
PROJECT ADDRESS		CITY, STATE AND ZIP CODE		CLIENT		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE	
PROJECT MANAGER		PROJECT MANAGER'S PHONE		PROJECT MANAGER'S FAX		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE	
LEO W. WILLIAMSON		909-396-7662		909-396-1455		626-964-4032		TANDE LA OSA		GEORGE INC	
SPL #1		SPL VES1		04-4304-480		626-964-5832		LEO W. WILLIAMSON		22632 GOLDEN SPRINGS DR #270	
LEO W. WILLIAMSON		719-920-8438		N/A		18501 E. GALE AVE #130		18501 E. GALE AVE #130		22632 GOLDEN SPRINGS DR #270	
4800 OAK GROVE DR		PASADENA CA		US NAVY SWD IV		CITY OF INDUSTRY CA 91748		CITY OF INDUSTRY CA 91748		DARTON BAR CA 91765	
BRAR PAREM		909-396-7662		909-396-1455							
Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	OC Level	TAT	Comments		
1	74-VE1-C-1-05	AIR	12-20-01	NONE	1*	3	NONE	X	*1 LTEDLAR BAG SCREEN-C.		
2	74-VE1-C-1-06	AIR	12-20-01	NONE	1*	3	NONE	X	SCREEN - EFFLUENT		
3											
4											
5											
6											
7											
8											
9											
10											
SAMPLES COLLECTED BY: <i>Torgueth</i>				COURIER AND AIR BILL NUMBER.				COOLER TEMPERATURE UPON RECEIPT			
REIMBURSED BY: <i>Torgueth</i>				RECEIVED BY: <i>Steph</i>				SAMPLE'S CONDITION UPON RECEIPT			
				DATE: 12-20-01				TIME: 13:25			

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Client: Geofon Incorporated
Attn: Leo W. Williamson

Page1 of 1

Client's Project: JPL #1
Date Received: 12/20/01
Matrix: Air
Units: ppbv

EPA Method TO14

Lab No:	A1122002-01	A1122002-02			
Client Sample I.D.:	T4-VE1-C-1-05	T4-VE1-EFF-1-06			
Date Sampled:	12/20/01	12/20/01			
Date Analyzed:	12/21/01	12/21/01			
QC Batch No:	011221MS2A1	011221MS2A1			
Analyst Initials:	SC	SC			
Dilution Factor:	1.0	1.0			
ANALYTE	MDL	Result	RL	Result	RL
Dichlorodifluoromethane (12)	1.0	1.7	1.0	3.1	1.0
Chloromethane	2.0	ND	2.0	ND	2.0
1,2-CI-1,1,2,2-F ethane (114)	1.0	ND	1.0	ND	1.0
Vinyl Chloride	1.0	ND	1.0	ND	1.0
Bromomethane	1.0	ND	1.0	ND	1.0
Chloroethane	1.0	ND	1.0	ND	1.0
Trichlorofluoromethane (11)	1.0	56	1.0	23	1.0
1,1-Dichloroethene	1.0	43	1.0	ND	1.0
1,1,2-CI 1,2,2-F ethane (113)	1.0	47	1.0	3.3	1.0
Methylene Chloride	1.0	ND	1.0	ND	1.0
1,1-Dichloroethane	1.0	1.8	1.0	ND	1.0
c-1,2-Dichloroethene	1.0	ND	1.0	ND	1.0
Chloroform	1.0	115	1.0	ND	1.0
1,1,1-Trichloroethane	1.0	7.3	1.0	ND	1.0
Carbon Tetrachloride	1.0	249	1.0	ND	1.0
Benzene	1.0	ND	1.0	1.7	1.0
1,2-Dichloroethane	1.0	1.4	1.0	ND	1.0
Trichloroethene	1.0	135	1.0	ND	1.0
1,2-Dichloropropane	1.0	ND	1.0	ND	1.0
c-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0
Toluene	1.0	22	1.0	2.5	1.0
t-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0
1,1,2-Trichloroethane	1.0	ND	1.0	ND	1.0
Tetrachloroethene	1.0	19	1.0	ND	1.0
1,2-Dibromoethane	1.0	ND	1.0	ND	1.0
Chlorobenzene	1.0	ND	1.0	ND	1.0
Ethylbenzene	1.0	ND	1.0	ND	1.0
p,&m-Xylene	1.0	1.1	1.0	ND	1.0
o-Xylene	1.0	ND	1.0	ND	1.0
Styrene	1.0	ND	1.0	ND	1.0
1,1,2,2-Tetrachloroethane	2.0	ND	2.0	ND	2.0
1,3,5-Trimethylbenzene	2.0	ND	2.0	ND	2.0
1,2,4-Trimethylbenzene	2.0	ND	2.0	ND	2.0
1,3-Dichlorobenzene	1.0	ND	1.0	ND	1.0
1,4-Dichlorobenzene	1.0	ND	1.0	ND	1.0
1,2-Dichlorobenzene	1.0	ND	1.0	ND	1.0
1,2,4-Trichlorobenzene	2.0	ND	2.0	ND	2.0
Hexachlorobutadiene	1.0	ND	1.0	ND	1.0

MDL = Method Detection Limit

ND= Not Detected (below RL)

RL = MDL X Dilution Factor

Reviewed/Approved By:



Mark Johnson

Air Toxics Operations Manager

Date 12-27-01



The cover letter is an integral part of this analytical report

Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 011221MS2A1

Matrix: Air

EPA Method TO14/TO-15

Lab No:		Method Blank		LCS		LCSD					
Date Analyzed:		12/21/01		12/21/01		12/21/01					
Data File ID:		21DEC005.D		21DEC003.D		21DEC004.D					
Analyst Initials:		SC		SC		SC					
Dilution Factor:		1.0		1.0		1.0					
								Limits			
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.7	87	8.6	86	1.4	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.8	98	9.8	98	0.7	70	130	30	Pass
Trichloroethene	0.0	10.0	7.9	79	7.9	79	0.1	70	130	30	Pass
Toluene	0.0	10.0	8.3	83	8.3	83	0.1	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.5	85	8.3	83	1.5	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By: Mark Johnson

Mark Johnson

Air Toxics Operations Manager

Date: 12-27-01

The cover letter is an integral part of this analytical report

Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

12/28/2001

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A1122101-01/02

Enclosed are results for sample(s) received 12/21/01 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 12/27/01.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,



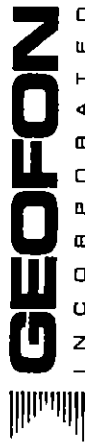
Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.



A1122101



INCORPORATED

22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON LAB COORDINATOR		LAB COORDINATOR'S PHONE		LAB COORDINATOR'S FAX		LABORATORY SERVICE ID		LABORATORY CONTACT		MAIL REPORT (COMPANY NAME)	
PROJECT NAME		PROJECT LOCATION		PROJECT NUMBER		LABORATORY PHONE		LABORATORY FAX		RECIPIENT NAME	
PROJECT CONTACT		PROJECT PHONE NUMBER		PROJECT FAX		LABORATORY ADDRESS		LABORATORY FAX		ADDRESS	
PROJECT ADDRESS		CITY, STATE AND ZIP CODE		CLIENT		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE	
PROJECT MANAGER		PROJECT MANAGER'S PHONE		PROJECT MANAGER'S FAX		PROJECT MANAGER'S FAX		PROJECT MANAGER'S FAX		PROJECT MANAGER'S FAX	
LEO W. WILLIAMSON		909-396-7662		909-396-1455		909-396-1455		JOAN DE LA OSSA		GEOFON INC	
JPL #1		JPL VES		09-4304-480		09-4304-480		626-964-4032		LEO W. WILLIAMSON	
LEO W. WILLIAMSON		714-920-8438		N/A		N/A		18501 E. GALE AVE #130		22632 GOLDEN SPRINGS DR #270	
1800 OAK GROVE DR. PASADENA CA		PASADENA CA		US NAVY SWDIV		CITY OF INDUSTRY CA 91748		CITY OF INDUSTRY CA 91748		DIAMOND BAR CA 91765	
ASLAW PAKSON		909-396-7662		909-396-1455		909-396-1455					
Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	TAT	Analyses	Comments	
1	74-VES-2-1-07	AIR	12-21-01	1030 AM	1*	3	ADDM	X		*1 L TADLAC BAG SCREEN C	
2	74-VES-EEF-1-08	AIR	12-21-01	1035 AM	1*	3	ADDM	X		SCREEN EFFLUENT	
3											
4											
5											
6											
7											
8											
9											
10											
SAMPLES COLLECTED BY: Tony Williams											
COURIER AND AIR BILL NUMBER:											
RELINQUISHED BY: Tony Williams											
RECEIVED BY: Mark Smith											
DATE: 12-21-01											
TIME: 12:42											
COOLER TEMPERATURE UPON RECEIPT											
SAMPLE'S CONDITION UPON RECEIPT											
Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager											

Client: Geofon Incorporated
Attn: Leo W. Williamson

Page 1 of 1

Client's Project: JPL #1
Date Received: 12/21/01
Matrix: Air
Units: ppbv

EPA Method TO14

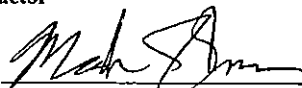
Lab No:	A1122101-01	A1122101-02			
Client Sample I.D.:	T4-VE1-C-1-07	T4-VE1-EFF-1-08			
Date Sampled:	12/21/01	12/21/01			
Date Analyzed:	12/21/01	12/21/01			
QC Batch No:	011221MS2A1	011221MS2A1			
Analyst Initials:	SC	SC			
Dilution Factor:	2.0	1.0			
ANALYTE	MDL	Result	RL	Result	RL
Dichlorodifluoromethane (12)	1.0	ND	2.0	3.1	1.0
Chloromethane	2.0	ND	4.0	ND	2.0
1,2-CI-1,1,2,2-F ethane (114)	1.0	ND	2.0	ND	1.0
Vinyl Chloride	1.0	ND	2.0	ND	1.0
Bromomethane	1.0	ND	2.0	ND	1.0
Chloroethane	1.0	ND	2.0	ND	1.0
Trichlorofluoromethane (11)	1.0	55	2.0	26	1.0
1,1-Dichloroethene	1.0	42	2.0	ND	1.0
1,1,2-CI 1,2,2-F ethane (113)	1.0	51	2.0	5.0	1.0
Methylene Chloride	1.0	ND	2.0	ND	1.0
1,1-Dichloroethane	1.0	ND	2.0	ND	1.0
c-1,2-Dichloroethene	1.0	ND	2.0	ND	1.0
Chloroform	1.0	120	2.0	ND	1.0
1,1,1-Trichloroethane	1.0	8.4	2.0	ND	1.0
Carbon Tetrachloride	1.0	281	2.0	ND	1.0
Benzene	1.0	ND	2.0	1.4	1.0
1,2-Dichloroethane	1.0	ND	2.0	ND	1.0
Trichloroethene	1.0	134	2.0	ND	1.0
1,2-Dichloropropane	1.0	ND	2.0	ND	1.0
c-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0
Toluene	1.0	7.7	2.0	1.9	1.0
t-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0
1,1,2-Trichloroethane	1.0	ND	2.0	ND	1.0
Tetrachloroethene	1.0	27	2.0	ND	1.0
1,2-Dibromoethane	1.0	ND	2.0	ND	1.0
Chlorobenzene	1.0	ND	2.0	ND	1.0
Ethylbenzene	1.0	ND	2.0	ND	1.0
p,m-Xylene	1.0	4.7	2.0	ND	1.0
o-Xylene	1.0	2.5	2.0	ND	1.0
Styrene	1.0	ND	2.0	ND	1.0
1,1,2,2-Tetrachloroethane	2.0	ND	4.0	ND	2.0
1,3,5-Trimethylbenzene	2.0	ND	4.0	ND	2.0
1,2,4-Trimethylbenzene	2.0	ND	4.0	ND	2.0
1,3-Dichlorobenzene	1.0	ND	2.0	ND	1.0
1,4-Dichlorobenzene	1.0	ND	2.0	ND	1.0
1,2-Dichlorobenzene	1.0	ND	2.0	ND	1.0
1,2,4-Trichlorobenzene	2.0	ND	4.0	ND	2.0
Hexachlorobutadiene	1.0	ND	2.0	ND	1.0

MDL = Method Detection Limit

ND= Not Detected (below RL)

RL = MDL X Dilution Factor

Reviewed/Approved By:



Mark Johnson

Air Toxics Operations Manager

Date 12-27-01

The cover letter is an integral part of this analytical report



Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 011221MS2A1

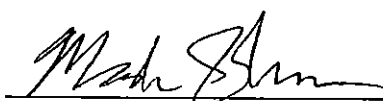
Matrix: Air

EPA Method TO14/TO-15

Lab No:		Method Blank		LCS		LCSD					
Date Analyzed:		12/21/01		12/21/01		12/21/01					
Data File ID:		21DEC005.D		21DEC003.D		21DEC004.D					
Analyst Initials:		SC		SC		SC					
Dilution Factor:		1.0		1.0		1.0					
								Limits			
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.7	87	8.6	86	1.4	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.8	98	9.8	98	0.7	70	130	30	Pass
Trichloroethene	0.0	10.0	7.9	79	7.9	79	0.1	70	130	30	Pass
Toluene	0.0	10.0	8.3	83	8.3	83	0.1	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.5	85	8.3	83	1.5	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By:



Mark Johnson

Air Toxics Operations Manager

Date: 12-27-01

The cover letter is an integral part of this analytical report

Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

12/31/2001

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A1122402-01/02

Enclosed are results for sample(s) received 12/24/01 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 12/31/01.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,



Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.



A1122402



INCORPORATED
22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON'S LAB COORDINATOR		LAB COORDINATOR'S PHONE		LAB COORDINATOR'S FAX		LABORATORY SERVICE ID		LABORATORY CONTACT		MAIL REPORT (COMPANY NAME)	
LED W. WILLIAMSON		909-396-7662		909-396-1455				DANIELA OSSA		GEOFON INC	
PROJECT NAME: JPL #1		PROJECT LOCATION: 5PL VBI		PROJECT NUMBER: 04-4304-480		LABORATORY PHONE: 626-964-4032		LABORATORY FAX: 626-964-5832		RECIPIENT NAME: LED W. WILLIAMSON	
PROJECT CONTACT: LED W. WILLIAMSON		PROJECT PHONE NUMBER: 714-920-8438		PROJECT FAX: N/A		LABORATORY ADDRESS: 18501 E. CALE AVE #130				ADDRESS: 22632 GOLDEN SPRINGS DR #270	
PROJECT ADDRESS: 4800 ORANGE DR		CITY, STATE AND ZIP CODE: IRVINE CA		CLIENT: US NAVY SWDIV		CITY, STATE AND ZIP CODE: CITY OF INDUSTRY CA 91748				CITY, STATE AND ZIP CODE: DIAMOND BAR CA 91765	
PROJECT MANAGER: ASHAR PATERNY		PROJECT MANAGER'S PHONE: 909-396-7662		PROJECT MANAGER'S FAX: 909-396-1455							
Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	TAT	Analyses	Comments	
1	T4-VBI-B-2-01	AIR	12-24-01	0935	1*	3	NORM	+		*1 L TETRAZOL BAG SCREEN - B	
2	T4-VBI-EFF-2-02	AIR	12-24-01	0940	1*	3	NORM	+		SCREEN - EFFLUENT	
3											
4											
5											
6											
7											
8											
9											
10											
SAMPLES COLLECTED BY: <i>Tony Williams</i> RELINQUISHED BY: <i>Tony Williams</i> RECEIVED BY: <i>Canyala</i> DATE: 12/24/01 TIME: 11:15 COOLER TEMPERATURE UPON RECEIPT: SAMPLE'S CONDITION UPON RECEIPT:											

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Client: Geofon Incorporated
Attn: Leo W. Williamson

Page1 of 1

Client's Project: JPL #1
Date Received: 12/24/01
Matrix: Air
Units: ppbv

EPA Method TO14

Lab No:	A1122402-01	A1122402-02			
Client Sample I.D.:	T4-VE1-B-2-01	T4-VE1-EFF-2-02			
Date Sampled:	12/24/01	12/24/01			
Date Analyzed:	12/26/01	12/26/01			
QC Batch No:	011226MS2A1	011226MS2A1			
Analyst Initials:	SC	SC			
Dilution Factor:	1.0	1.0			
ANALYTE	MDL	Result	RL	Result	RL
Dichlorodifluoromethane (12)	1.0	14	1.0	2.5	1.0
Chloromethane	2.0	ND	2.0	ND	2.0
1,2-CI-1,1,2,2-F ethane (114)	1.0	ND	1.0	ND	1.0
Vinyl Chloride	1.0	ND	1.0	ND	1.0
Bromomethane	1.0	ND	1.0	ND	1.0
Chloroethane	1.0	ND	1.0	ND	1.0
Trichlorofluoromethane (11)	1.0	3.3	1.0	95	1.0
1,1-Dichloroethene	1.0	6.1	1.0	ND	1.0
1,1,2-CI 1,2,2-F ethane (113)	1.0	8.9	1.0	66	1.0
Methylene Chloride	1.0	1.7	1.0	ND	1.0
1,1-Dichloroethane	1.0	ND	1.0	ND	1.0
c-1,2-Dichloroethene	1.0	ND	1.0	ND	1.0
Chloroform	1.0	176	1.0	ND	1.0
1,1,1-Trichloroethane	1.0	4.2	1.0	ND	1.0
Carbon Tetrachloride	1.0	184	1.0	ND	1.0
Benzene	1.0	ND	1.0	1.6	1.0
1,2-Dichloroethane	1.0	ND	1.0	ND	1.0
Trichloroethene	1.0	15	1.0	ND	1.0
1,2-Dichloropropane	1.0	ND	1.0	ND	1.0
c-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0
Toluene	1.0	113	1.0	4.7	1.0
t-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0
1,1,2-Trichloroethane	1.0	ND	1.0	ND	1.0
Tetrachloroethene	1.0	3.2	1.0	ND	1.0
1,2-Dibromoethane	1.0	ND	1.0	ND	1.0
Chlorobenzene	1.0	ND	1.0	ND	1.0
Ethylbenzene	1.0	ND	1.0	ND	1.0
p,m-Xylene	1.0	ND	1.0	ND	1.0
o-Xylene	1.0	ND	1.0	ND	1.0
Styrene	1.0	ND	1.0	ND	1.0
1,1,2,2-Tetrachloroethane	2.0	ND	2.0	ND	2.0
1,3,5-Trimethylbenzene	2.0	ND	2.0	ND	2.0
1,2,4-Trimethylbenzene	2.0	ND	2.0	ND	2.0
1,3-Dichlorobenzene	1.0	ND	1.0	ND	1.0
1,4-Dichlorobenzene	1.0	ND	1.0	ND	1.0
1,2-Dichlorobenzene	1.0	ND	1.0	ND	1.0
1,2,4-Trichlorobenzene	2.0	ND	2.0	ND	2.0
Hexachlorobutadiene	1.0	ND	1.0	ND	1.0

MDL = Method Detection Limit

ND= Not Detected (below RL)

RL = MDL X Dilution Factor

Reviewed/Approved By:


Mark Johnson

Air Toxics Operations Manager

Date 12-31-01

The cover letter is an integral part of this analytical report



Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 011226MS2A1

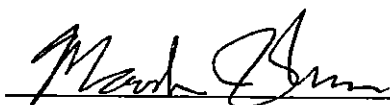
Matrix: Air

EPA Method TO14/TO-15

Lab No:		Method Blank		LCS		LCSD					
Date Analyzed:		12/26/01		12/26/01		12/26/01					
Data File ID:		26DEC005.D		26DEC003.D		26DEC004.D					
Analyst Initials:		SC		SC		SC					
Dilution Factor:		1.0		1.0		1.0					
								Limits			
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.8	88	8.6	86	2.8	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.6	96	9.5	95	1.1	70	130	30	Pass
Trichloroethene	0.0	10.0	8.2	82	8.0	80	2.6	70	130	30	Pass
Toluene	0.0	10.0	8.5	85	8.4	84	1.5	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.6	86	8.8	88	2.5	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By:



Mark Johnson

Air Toxics Operations Manager

Date: 12-31-01

The cover letter is an integral part of this analytical report

Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

12/31/2001

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A122602-01/02

Enclosed are results for sample(s) received 12/26/01 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

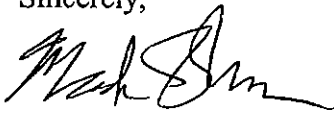
Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 12/31/01.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,



Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.





IN C O R P O R A T E D
22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

[illegible]

Client: Geofon Incorporated
Attn: Leo W. Williamson

Page1 of 1

Client's Project: JPL #1
Date Received: 12/26/01
Matrix: Air
Units: ppbv

EPA Method TO14

Lab No:	A1122602-01	A1122602-02			
Client Sample I.D.:	T4-VE1-B-2-03	T4-VE1-EFF-2-04			
Date Sampled:	12/26/01	12/26/01			
Date Analyzed:	12/26/01	12/26/01			
QC Batch No:	011226MS2A1	011226MS2A1			
Analyst Initials:	SC	SC			
Dilution Factor:	2.0	1.0			
ANALYTE	MDL	Result	RL	Result	RL
Dichlorodifluoromethane (12)	1.0	6.4	2.0	8.1	1.0
Chloromethane	2.0	ND	4.0	ND	2.0
1,2-CI-1,1,2,2-F ethane (114)	1.0	ND	2.0	ND	1.0
Vinyl Chloride	1.0	ND	2.0	ND	1.0
Bromomethane	1.0	ND	2.0	ND	1.0
Chloroethane	1.0	ND	2.0	ND	1.0
Trichlorofluoromethane (11)	1.0	19	2.0	141	1.0
1,1-Dichloroethene	1.0	46	2.0	ND	1.0
1,1,2-CI 1,2,2-F ethane (113)	1.0	57	2.0	153	1.0
Methylene Chloride	1.0	ND	2.0	1.3	1.0
1,1-Dichloroethane	1.0	ND	2.0	ND	1.0
c-1,2-Dichloroethene	1.0	ND	2.0	ND	1.0
Chloroform	1.0	147	2.0	ND	1.0
1,1,1-Trichloroethane	1.0	14	2.0	ND	1.0
Carbon Tetrachloride	1.0	271	2.0	ND	1.0
Benzene	1.0	ND	2.0	3.6	1.0
1,2-Dichloroethane	1.0	ND	2.0	ND	1.0
Trichloroethene	1.0	70	2.0	ND	1.0
1,2-Dichloropropane	1.0	ND	2.0	ND	1.0
c-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0
Toluene	1.0	129	2.0	4.6	1.0
t-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0
1,1,2-Trichloroethane	1.0	ND	2.0	ND	1.0
Tetrachloroethene	1.0	13	2.0	ND	1.0
1,2-Dibromoethane	1.0	ND	2.0	ND	1.0
Chlorobenzene	1.0	ND	2.0	ND	1.0
Ethylbenzene	1.0	ND	2.0	ND	1.0
p,m-Xylene	1.0	2.3	2.0	ND	1.0
o-Xylene	1.0	ND	2.0	ND	1.0
Styrene	1.0	ND	2.0	ND	1.0
1,1,2,2-Tetrachloroethane	2.0	ND	4.0	ND	2.0
1,3,5-Trimethylbenzene	2.0	ND	4.0	ND	2.0
1,2,4-Trimethylbenzene	2.0	ND	4.0	ND	2.0
1,3-Dichlorobenzene	1.0	ND	2.0	ND	1.0
1,4-Dichlorobenzene	1.0	ND	2.0	ND	1.0
1,2-Dichlorobenzene	1.0	ND	2.0	ND	1.0
1,2,4-Trichlorobenzene	2.0	ND	4.0	ND	2.0
Hexachlorobutadiene	1.0	ND	2.0	ND	1.0

MDL = Method Detection Limit

ND= Not Detected (below RL)

RL = MDL X Dilution Factor

Reviewed/Approved By:


Mark Johnson

Air Toxics Operations Manager

Date 12-31-01

The cover letter is an integral part of this analytical report



Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 011226MS2A1

Matrix: Air

EPA Method TO14/TO-15

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	12/26/01		12/26/01		12/26/01						
Data File ID:	26DEC005.D		26DEC003.D		26DEC004.D						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	1.0		1.0		1.0						
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Limits			Pass/ Fail
								Low %Rec	High %Rec	Max. RPD	
1,1-Dichloroethene	0.0	10.0	8.8	88	8.6	86	2.8	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.6	96	9.5	95	1.1	70	130	30	Pass
Trichloroethene	0.0	10.0	8.2	82	8.0	80	2.6	70	130	30	Pass
Toluene	0.0	10.0	8.5	85	8.4	84	1.5	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.6	86	8.8	88	2.5	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By:



Mark Johnson

Air Toxics Operations Manager

Date: 12-31-01

The cover letter is an integral part of this analytical report

Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

01/04/2002

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A1122702-01/02

Enclosed are results for sample(s) received 12/27/01 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 1/04/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,



Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.



Client: Geofon Incorporated
Attn: Leo W. Williamson

Page1 of 1

Client's Project: JPL #1
Date Received: 12/27/01
Matrix: Air
Units: ppbv

EPA Method TO14


Lab No:	A1122702-01	A1122702-02			
Client Sample I.D.:	T4-VE1-B-2-05	T4-VE1-EFF-2-06			
Date Sampled:	12/27/01	12/27/01			
Date Analyzed:	12/28/01	12/28/01			
QC Batch No:	011228MS2A1	011228MS2A1			
Analyst Initials:	SC	SC			
Dilution Factor:	2.0	1.0			
ANALYTE	MDL	Result	RL	Result	RL
Dichlorodifluoromethane (12)	1.0	5.4	2.0	2.5	1.0
Chloromethane	2.0	ND	4.0	ND	2.0
1,2-CI-1,1,2,2-F ethane (114)	1.0	ND	2.0	ND	1.0
Vinyl Chloride	1.0	ND	2.0	ND	1.0
Bromomethane	1.0	ND	2.0	ND	1.0
Chloroethane	1.0	ND	2.0	ND	1.0
Trichlorofluoromethane (11)	1.0	23	2.0	160	1.0
1,1-Dichloroethene	1.0	59	2.0	ND	1.0
1,1,2-CI 1,2,2-F ethane (113)	1.0	71	2.0	182	1.0
Methylene Chloride	1.0	ND	2.0	1.4	1.0
1,1-Dichloroethane	1.0	ND	2.0	ND	1.0
c-1,2-Dichloroethene	1.0	ND	2.0	ND	1.0
Chloroform	1.0	150	2.0	ND	1.0
1,1,1-Trichloroethane	1.0	16	2.0	ND	1.0
Carbon Tetrachloride	1.0	313	2.0	ND	1.0
Benzene	1.0	ND	2.0	1.9	1.0
1,2-Dichloroethane	1.0	ND	2.0	ND	1.0
Trichloroethene	1.0	73	2.0	ND	1.0
1,2-Dichloropropane	1.0	ND	2.0	ND	1.0
c-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0
Toluene	1.0	75	2.0	3.4	1.0
t-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0
1,1,2-Trichloroethane	1.0	ND	2.0	ND	1.0
Tetrachloroethene	1.0	18	2.0	ND	1.0
1,2-Dibromoethane	1.0	ND	2.0	ND	1.0
Chlorobenzene	1.0	ND	2.0	ND	1.0
Ethylbenzene	1.0	ND	2.0	ND	1.0
p,&m-Xylene	1.0	ND	2.0	ND	1.0
o-Xylene	1.0	ND	2.0	ND	1.0
Styrene	1.0	ND	2.0	ND	1.0
1,1,2,2-Tetrachloroethane	2.0	ND	4.0	ND	2.0
1,3,5-Trimethylbenzene	2.0	ND	4.0	ND	2.0
1,2,4-Trimethylbenzene	2.0	ND	4.0	ND	2.0
1,3-Dichlorobenzene	1.0	ND	2.0	ND	1.0
1,4-Dichlorobenzene	1.0	ND	2.0	ND	1.0
1,2-Dichlorobenzene	1.0	ND	2.0	ND	1.0
1,2,4-Trichlorobenzene	2.0	ND	4.0	ND	2.0
Hexachlorobutadiene	1.0	ND	2.0	ND	1.0

MDL = Method Detection Limit

ND= Not Detected (below RL)

RL = MDL X Dilution Factor

Reviewed/Approved By:



Mark Johnson
Air Toxics Operations Manager

Date 1-4-02

The cover letter is an integral part of this analytical report



Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 011228MS2A1

Matrix: Air

EPA Method TO-14/TO-15

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	12/28/01		12/28/01		12/28/01						
Data File ID:	28DEC005.D		28DEC003.D		28DEC004.D						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	1.0		1.0		1.0						
								Limits			
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.7	87	8.6	86	0.5	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.6	96	9.4	94	1.5	70	130	30	Pass
Trichloroethene	0.0	10.0	7.9	79	7.8	78	2.2	70	130	30	Pass
Toluene	0.0	10.0	8.2	82	8.1	81	1.6	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.6	86	8.4	84	2.3	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By:



Mark Johnson

Air Toxics Operations Manager

Date: 1-4-02

The cover letter is an integral part of this analytical report

Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

01/04/2002

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A1122803-01/02

Enclosed are results for sample(s) received 12/28/01 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

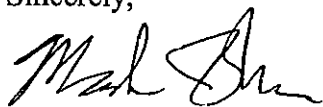
Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 1/04/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,



Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.





IN C O R P O R A T E D
22632 GOLDEN SPRINGS DR., SUITE 270

222632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOPON LAB COORDINATOR		LAB COORDINATOR'S PHONE		LAB COORDINATOR'S FAX		LABORATORY SERVICE ID		LABORATORY CONTACT		MAIL REPORT (COMPANY NAME)	
PROJECT NAME		PROJECT LOCATION		PROJECT NUMBER		LABORATORY PHONE		LABORATORY FAX		RECIPIENT NAME	
PROJECT CONTACT		PROJECT PHONE NUMBER		PROJECT FAX		LABORATORY ADDRESS		LABORATORY ADDRESS		ADDRESS	
PROJECT ADDRESS		CITY, STATE AND ZIP CODE		CLIENT		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE	
PROJECT MANAGER		PROJECT MANAGER'S PHONE		PROJECT MANAGER'S FAX		CITY OF INDUSTRY		CITY OF INDUSTRY		DIAMONDS BAR CA 91765	
LEO W. WILLIAMSON		909-396-7662		909-396-1455		626-964-4032		626-964-5832		226-32 CALDEN SHELINGS DR #270	
JPL #1		JPL VBI		N/A		185016 GALE AVE #130					
LEO W. WILLIAMSON		714-920-8438		N/A		CITY OF INDUSTRY CA 91748					
4800 OAKGLOVE DR		ARADONA CA		US NAVY SUBDIV							
PROJECT MANAGER		PROJECT MANAGER'S PHONE		PROJECT MANAGER'S FAX							
ASRAR ENTERTAINMENT		909-396-7662		909-396-1455							
Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	TAT	Analyses	Comments	
1	T4-VBI-B-2-07	AIR	12-28-01	1110	NONE	1*	3	NORM	X	* L TEDLAR BAG	
2	T4-VBI-BFF-2-08	AIR	12-28-01	1115	NONE	1*	3	NORM	X	SCREEN - B	
3										SCREEN - BFFLUGWT	
4											
5											
6											
7											
8											
9											
10											
SAMPLES COLLECTED BY: <i>Tony ch</i>						COURIER AND AIR BILL NUMBER:					
REQUISITIONED BY: <i>Tony ch</i>						RECEIVED BY: <i>C. Pauselahn</i>					
						DATE: 12/28/01 TIME: 1445					
						COOLER TEMPERATURE UPON RECEIPT:					
						SAMPLE'S CONDITION UPON RECEIPT:					
Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager											

Client: Geofon Incorporated
Attn: Leo W. Williamson

Page1 of 1

Client's Project: JPL #1
Date Received: 12/28/01
Matrix: Air
Units: ppbv

EPA Method TO14

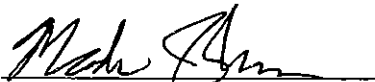
Lab No:	A1122803-01	A1122803-02			
Client Sample I.D.:	T4-VE1-B-2-07	T4-VE1-EFF-2-08			
Date Sampled:	12/28/01	12/28/01			
Date Analyzed:	12/28/01	12/28/01			
QC Batch No:	011228MS2A1	011228MS2A1			
Analyst Initials:	SC	SC			
Dilution Factor:	2.0	1.0			
ANALYTE	MDL	Result	RL	Result	RL
Dichlorodifluoromethane (12)	1.0	5.3	2.0	1.8	1.0
Chloromethane	2.0	ND	4.0	ND	2.0
1,2-CI-1,1,2,2-F ethane (114)	1.0	ND	2.0	ND	1.0
Vinyl Chloride	1.0	ND	2.0	ND	1.0
Bromomethane	1.0	ND	2.0	ND	1.0
Chloroethane	1.0	ND	2.0	ND	1.0
Trichlorofluoromethane (11)	1.0	27	2.0	140	1.0
1,1-Dichloroethene	1.0	69	2.0	ND	1.0
1,1,2-CI 1,2,2-F ethane (113)	1.0	79	2.0	211	1.0
Methylene Chloride	1.0	ND	2.0	1.6	1.0
1,1-Dichloroethane	1.0	ND	2.0	ND	1.0
c-1,2-Dichloroethene	1.0	ND	2.0	ND	1.0
Chloroform	1.0	164	2.0	ND	1.0
1,1,1-Trichloroethane	1.0	17	2.0	ND	1.0
Carbon Tetrachloride	1.0	353	2.0	ND	1.0
Benzene	1.0	ND	2.0	ND	1.0
1,2-Dichloroethane	1.0	ND	2.0	ND	1.0
Trichloroethene	1.0	85	2.0	ND	1.0
1,2-Dichloropropane	1.0	ND	2.0	ND	1.0
c-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0
Toluene	1.0	99	2.0	2.5	1.0
t-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0
1,1,2-Trichloroethane	1.0	ND	2.0	ND	1.0
Tetrachloroethene	1.0	17	2.0	ND	1.0
1,2-Dibromoethane	1.0	ND	2.0	ND	1.0
Chlorobenzene	1.0	ND	2.0	ND	1.0
Ethylbenzene	1.0	ND	2.0	ND	1.0
p,m-Xylene	1.0	ND	2.0	ND	1.0
o-Xylene	1.0	ND	2.0	ND	1.0
Styrene	1.0	ND	2.0	ND	1.0
1,1,2,2-Tetrachloroethane	2.0	ND	4.0	ND	2.0
1,3,5-Trimethylbenzene	2.0	ND	4.0	ND	2.0
1,2,4-Trimethylbenzene	2.0	ND	4.0	ND	2.0
1,3-Dichlorobenzene	1.0	ND	2.0	ND	1.0
1,4-Dichlorobenzene	1.0	ND	2.0	ND	1.0
1,2-Dichlorobenzene	1.0	ND	2.0	ND	1.0
1,2,4-Trichlorobenzene	2.0	ND	4.0	ND	2.0
Hexachlorobutadiene	1.0	ND	2.0	ND	1.0

MDL = Method Detection Limit

ND= Not Detected (below RL)

RL = MDL X Dilution Factor

Reviewed/Approved By:



Mark Johnson
Air Toxics Operations Manager

Date 1-4-02

The cover letter is an integral part of this analytical report.



Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 011228MS2A1

Matrix: Air

EPA Method TO-14/TO-15

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	12/28/01		12/28/01		12/28/01						
Data File ID:	28DEC005.D		28DEC003.D		28DEC004.D						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	1.0		1.0		1.0						
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Limits			Pass/ Fail
								Low %Rec	High %Rec	Max. RPD	
1,1-Dichloroethene	0.0	10.0	8.7	87	8.6	86	0.5	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.6	96	9.4	94	1.5	70	130	30	Pass
Trichloroethene	0.0	10.0	7.9	79	7.8	78	2.2	70	130	30	Pass
Toluene	0.0	10.0	8.2	82	8.1	81	1.6	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.6	86	8.4	84	2.3	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By:



Mark Johnson

Air Toxics Operations Manager

Date: 1-4-02

The cover letter is an integral part of this analytical report

Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

01/09/2002

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A1123106-01/02

Enclosed are results for sample(s) received 12/31/01 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

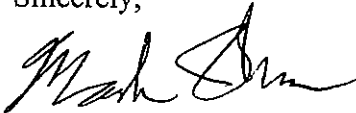
Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 1/08/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,




Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.



A1123106



GEOFON
INCORPORATED
22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON'S LAB COORDINATOR LED W WILLIAMSON		LAB COORDINATOR'S PHONE 909-396-7662		LAB COORDINATOR'S FAX 909-396-1455		LABORATORY SERVICE ID		LABORATORY CONTACT TDN DE LA Ossa		MAIL REPORT (COMPANY NAME) GEOFON INC	
PROJECT NAME SPL #1		PROJECT LOCATION SPL VBI		PROJECT NUMBER 04-4304-480		LABORATORY PHONE 626-964-4032		LABORATORY FAX 626-964-5832		RECIPIENT NAME LED W. WILLIAMSON	
PROJECT CONTACT LED W. WILLIAMSON		PROJECT PHONE NUMBER 714-920-8438		PROJECT FAX N/A		LABORATORY ADDRESS 18501 E. GALE AVE #130				ADDRESS 22632 GOLDEN SPRINGS DR #270	
PROJECT ADDRESS 4800 OAKGROVE DR.		CITY, STATE AND ZIP CODE PASADENA CA		CLIENT U.S. NAVY SUDWIT		CITY, STATE AND ZIP CODE CITY OF INDUSTRY				CITY, STATE AND ZIP CODE DIAMOND BAR CA 91765	
PROJECT MANAGER ASLAR PANTHERY		PROJECT MANAGER'S PHONE 909-396-7662		PROJECT MANAGER'S FAX 909-396-1455							

Item	Sample Identifier	Matrix		Time	Preserved	# of Cont	QC Level	T.A.T	Analyses	Comments
		Date	Time							
1	T4-VBI-A-3-01	AIR	12-31-01	0945	none	1*	3	none	X	#1 L TADLAR BAG SCREEN - A
2	T4-VBI-EFF-3-02	AIR	12-31-01	0950	none	1*	3	none	X	SCREEN - EFFLUENT
3										
4										
5										
6										
7										
8										
9										
10										

SAMPLES COLLECTED BY: *[Signature]*

RELINQUISHED BY: *[Signature]*

COURIER AND AIR BILL NUMBER:

RECEIVED BY: *[Signature]*

COOLER TEMPERATURE UPON RECEIPT

SAMPLE'S CONDITION UPON RECEIPT

Distribution: White - Laboratory (To be returned with Analytical Report); Goldentrod - Project File; Yellow - Project Data Manager

Client: Geofon Incorporated

Attn: Leo W. Williamson

Page1 of 1

Client's Project: JPL #1

Date Received: 12/31/01

Matrix: Air

Units: ppbv

EPA Method TO14

Lab No:	A1123106-01	A1123106-02			
Client Sample I.D.:	T4-VE1-A-3-01	T4-VE1-EFF-3-02			
Date Sampled:	12/31/01	12/31/01			
Date Analyzed:	12/31/01	12/31/01			
QC Batch No:	011231MS2A1	011231MS2A1			
Analyst Initials:	SC	SC			
Dilution Factor:	4.0	1.0			
ANALYTE	MDL	Result	RL	Result	RL
Dichlorodifluoromethane (12)	1.0	ND	4.0	5.0	1.0
Chloromethane	2.0	ND	8.0	ND	2.0
1,2-Di-1,1,2,2-F ethane (114)	1.0	ND	4.0	ND	1.0
Vinyl Chloride	1.0	ND	4.0	ND	1.0
Bromomethane	1.0	ND	4.0	ND	1.0
Chloroethane	1.0	ND	4.0	ND	1.0
Trichlorofluoromethane (11)	1.0	ND	4.0	172	1.0
1,1-Dichloroethene	1.0	33	4.0	ND	1.0
1,1,2-Di-1,2,2-F ethane (113)	1.0	16	4.0	240	1.0
Methylene Chloride	1.0	ND	4.0	1.6	1.0
1,1-Dichloroethane	1.0	ND	4.0	ND	1.0
c-1,2-Dichloroethene	1.0	ND	4.0	ND	1.0
Chloroform	1.0	294	4.0	ND	1.0
1,1,1-Trichloroethane	1.0	ND	4.0	ND	1.0
Carbon Tetrachloride	1.0	676	4.0	ND	1.0
Benzene	1.0	ND	4.0	1.0	1.0
1,2-Dichloroethane	1.0	ND	4.0	ND	1.0
Trichloroethene	1.0	7.0	4.0	ND	1.0
1,2-Dichloropropane	1.0	ND	4.0	ND	1.0
c-1,3-Dichloropropene	1.0	ND	4.0	ND	1.0
Toluene	1.0	63	4.0	2.2	1.0
t-1,3-Dichloropropene	1.0	ND	4.0	ND	1.0
1,1,2-Trichloroethane	1.0	ND	4.0	ND	1.0
Tetrachloroethene	1.0	18	4.0	ND	1.0
1,2-Dibromoethane	1.0	ND	4.0	ND	1.0
Chlorobenzene	1.0	ND	4.0	ND	1.0
Ethylbenzene	1.0	ND	4.0	ND	1.0
p,&m-Xylene	1.0	18	4.0	ND	1.0
o-Xylene	1.0	7.1	4.0	ND	1.0
Styrene	1.0	ND	4.0	ND	1.0
1,1,2,2-Tetrachloroethane	2.0	ND	8.0	ND	2.0
1,3,5-Trimethylbenzene	2.0	ND	8.0	ND	2.0
1,2,4-Trimethylbenzene	2.0	8.5	8.0	ND	2.0
1,3-Dichlorobenzene	1.0	ND	4.0	ND	1.0
1,4-Dichlorobenzene	1.0	ND	4.0	ND	1.0
1,2-Dichlorobenzene	1.0	ND	4.0	ND	1.0
1,2,4-Trichlorobenzene	2.0	ND	8.0	ND	2.0
Hexachlorobutadiene	1.0	ND	4.0	ND	1.0

MDL = Method Detection Limit

ND= Not Detected (below RL)

RL = MDL X Dilution Factor

Reviewed/Approved By:



Mark Johnson

Air Toxics Operations Manager

Date 1-8-02

The cover letter is an integral part of this analytical report

Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 011231MS2A1

Matrix: Air

EPA Method TO-14/TO-15

Lab No:	Method Blank		LCS	LCSD							
Date Analyzed:	12/31/01		12/31/01	12/31/01							
Data File ID:	31DEC006.D		31DEC004.D	31DEC005.D							
Analyst Initials:	SC		SC	SC							
Dilution Factor:	1.0		1.0	1.0							
								Limits			
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.6	86	8.4	84	2.6	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.4	94	9.3	93	0.9	70	130	30	Pass
Trichloroethene	0.0	10.0	7.8	78	7.7	77	1.0	70	130	30	Pass
Toluene	0.0	10.0	8.1	81	8.1	81	0.5	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.8	88	8.5	85	3.2	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By: Mark Johnson

Mark Johnson

Air Toxics Operations Manager

Date: 1-8-02

The cover letter is an integral part of this analytical report

Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

JANUARY 2002

01/10/2002

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A2010204-01/02

Enclosed are results for sample(s) received 1/02/02 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 1/09/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,



Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.



1000

GEOFON

IN CORPORATION
222632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662

DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEORGINA LAB COORDINATOR		LAB COORDINATOR'S PHONE		LAB COORDINATOR'S FAX		LABORATORY SERVICE ID		LABORATORY CONTACT		MAIL REPORT (COMPANY NAME)	
PROJECT NAME		PROJECT LOCATION		PROJECT NUMBER		LABORATORY PHONE		LABORATORY FAX		RECIPIENT NAME	
PROJECT CONTACT		PROJECT PHONE NUMBER		PROJECT FAX		LABORATORY ADDRESS				ADDRESS	
PROJECT ADDRESS		CITY, STATE AND ZIP CODE		CLIENT		CITY, STATE AND ZIP CODE				CITY, STATE AND ZIP CODE	
PROJECT MANAGER		PROJECT MANAGER'S PHONE		PROJECT MANAGER'S FAX						DIAMONDS BAR 91765	
LEO W. WILLIAMSON		909-396-7662		909-396-1485						GODFOND INC.	
SPL #1		SPL VBI		N/A						1850 W. WILLIAMSON	
LEO W. WILLIAMSON		714-920-8438								22632 GOLDEN SPRINGS BL "230"	
4800 OAK GROVE DR		PASADENA CA		US NAVY SWDIV						CITY OF DUNSTON CA 91748	
RICKAR PARKER		909-396-7662		909-396-1435							
Item	Sample Identifier	Matrix		Date	Time	Preserved	# of Cont	QC Level	TAT	Comments	
1	T4-VBI-A-3-03	AIR	1-2-02	1045	NONE	1*	3	NALM	X	* L TRODLEAR BAG. SCREEN - A SCREEN - EFFLUENT	
2	T4-VBI-EFF-3-04	AIR	1-2-02	1050	NONE	1*	3	NALM	X		
3											
4											
5											
6											
7											
8											
9											
10											
SAMPLES COLLECTED BY: <i>Tony...</i>		COURIER AND AIR BILL NUMBER:		DATE		TIME		COOLER TEMPERATURE UPON RECEIPT		SAMPLE'S CONDITION UPON RECEIPT	
RELINQUISHED BY: <i>Tony...</i>		<i>Pamela...</i>		1/2/02		1350					

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Client: Geofon Incorporated
Attn: Leo W. Williamson

Page1 of 1

Client's Project: JPL #1
Date Received: 01/02/02
Matrix: Air
Units: ppbv

EPA Method TO14


Lab No:	A2010204-01	A2010204-02			
Client Sample I.D.:	T4-VE1-A-3-03	T4-VE1-EFF-3-04			
Date Sampled:	01/02/02	01/02/02			
Date Analyzed:	01/04/02	01/04/02			
QC Batch No:	020104MS2A1	020104MS2A1			
Analyst Initials:	SC	SC			
Dilution Factor:	4.0	1.0			
ANALYTE	MDL	Result	RL	Result	RL
Dichlorodifluoromethane (12)	1.0	ND	4.0	4.3	1.0
Chloromethane	2.0	ND	8.0	ND	2.0
1,2-CI-1,1,2,2-F ethane (114)	1.0	ND	4.0	ND	1.0
Vinyl Chloride	1.0	ND	4.0	ND	1.0
Bromomethane	1.0	ND	4.0	ND	1.0
Chloroethane	1.0	ND	4.0	ND	1.0
Trichlorofluoromethane (11)	1.0	ND	4.0	149	1.0
1,1-Dichloroethene	1.0	36	4.0	ND	1.0
1,1,2-CI 1,2,2-F ethane (113)	1.0	14	4.0	212	1.0
Methylene Chloride	1.0	ND	4.0	1.5	1.0
1,1-Dichloroethane	1.0	ND	4.0	ND	1.0
c-1,2-Dichloroethene	1.0	ND	4.0	ND	1.0
Chloroform	1.0	317	4.0	ND	1.0
1,1,1-Trichloroethane	1.0	ND	4.0	ND	1.0
Carbon Tetrachloride	1.0	592	4.0	ND	1.0
Benzene	1.0	ND	4.0	2.1	1.0
1,2-Dichloroethane	1.0	ND	4.0	ND	1.0
Trichloroethene	1.0	6.5	4.0	ND	1.0
1,2-Dichloropropane	1.0	ND	4.0	ND	1.0
c-1,3-Dichloropropene	1.0	ND	4.0	ND	1.0
Toluene	1.0	41	4.0	2.7	1.0
t-1,3-Dichloropropene	1.0	ND	4.0	ND	1.0
1,1,2-Trichloroethane	1.0	ND	4.0	ND	1.0
Tetrachloroethene	1.0	8.5	4.0	ND	1.0
1,2-Dibromoethane	1.0	ND	4.0	ND	1.0
Chlorobenzene	1.0	ND	4.0	ND	1.0
Ethylbenzene	1.0	ND	4.0	ND	1.0
p,m-Xylene	1.0	ND	4.0	ND	1.0
o-Xylene	1.0	ND	4.0	ND	1.0
Styrene	1.0	ND	4.0	ND	1.0
1,1,2,2-Tetrachloroethane	2.0	ND	8.0	ND	2.0
1,3,5-Trimethylbenzene	2.0	ND	8.0	ND	2.0
1,2,4-Trimethylbenzene	2.0	ND	8.0	ND	2.0
1,3-Dichlorobenzene	1.0	ND	4.0	ND	1.0
1,4-Dichlorobenzene	1.0	ND	4.0	ND	1.0
1,2-Dichlorobenzene	1.0	ND	4.0	ND	1.0
1,2,4-Trichlorobenzene	2.0	ND	8.0	ND	2.0
Hexachlorobutadiene	1.0	ND	4.0	ND	1.0

MDL = Method Detection Limit

ND= Not Detected (below RL)

RL = MDL X Dilution Factor

Reviewed/Approved By:


Mark Johnson
Air Toxics Operations Manager

Date 1-9-02

The cover letter is an integral part of this analytical report



Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 020104MS2A1

Matrix: Air

EPA Method TO-14/TO-15

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	01/04/02		01/04/02		01/04/02						
Data File ID:	04JAN005.D		04JAN003.D		04JAN004.D						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	1.0		1.0		1.0						
							Limits				
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.1	81	8.2	82	1.6	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.1	91	9.1	91	0.7	70	130	30	Pass
Trichloroethene	0.0	10.0	7.6	76	7.3	73	4.0	70	130	30	Pass
Toluene	0.0	10.0	7.9	79	7.7	77	3.5	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.2	82	8.1	81	0.7	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By:



Mark Johnson

Air Toxics Operations Manager

Date: 1-9-02

The cover letter is an integral part of this analytical report

Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

01/15/2002

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A2010706-01/08

Enclosed are results for sample(s) received 1/07/02 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

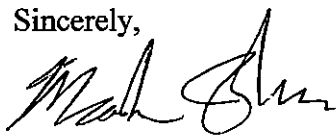
Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 1/15/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,



Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.



A2010706



INCORPORATED
22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON: LAB COORDINATOR		LAB COORDINATOR'S PHONE		LAB COORDINATOR'S FAX		LABORATORY SERVICE ID		LABORATORY CONTACT		MAIL REPORT (COMPANY NAME)	
LEO W. WILLIAMSON		909-396-7662		909-396-1455				JOAN DE LA Ossa		GEOFON INC	
PROJECT NAME		PROJECT LOCATION		PROJECT NUMBER		LABORATORY PHONE		LABORATORY FAX		RECIPIENT NAME	
JPL #1		JPL VBI		04-4304-480		626-964-4032		626-964-5832		LEO W. WILLIAMSON	
PROJECT CONTACT		PROJECT PHONE NUMBER		PROJECT FAX		LABORATORY ADDRESS		LABORATORY ADDRESS		ADDRESS	
LEO W. WILLIAMSON		714-920-8438		N/A		18501 E. GALE AVE #130		18501 E. GALE AVE #130		22632 GOLDEN SPRINGS DR #270	
PROJECT ADDRESS		CITY, STATE AND ZIP CODE		CLIENT		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE	
1800 OAKSTONE DR		PASADENA CA		US NAVY SWDIV		CITY OF INDUSTRY CA 91748		CITY OF INDUSTRY CA 91748		DIAMOND BAR CA 91765	
PROJECT MANAGER		PROJECT MANAGER'S PHONE		PROJECT MANAGER'S FAX		PROJECT MANAGER'S FAX		PROJECT MANAGER'S FAX		PROJECT MANAGER'S FAX	
ASLAL FAHREBY		909-396-7662		909-396-1455		909-396-1455		909-396-1455		909-396-1455	
Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	TAT	Analyses	Comments	
1	T4-VBI-13-4-01	AIR	1-7-01	1130	1600	1*	3	NORM	X	1*1- TED LAR BAG	
2	T4-VBI-C-4-02								X	SCREEN - B	
3	T4-VBI-INV-4-03								X	SCREEN - C	
4	T4-VBI-PIEP-4-04								X	SCREEN - TAPFLUENT	
5	T4-VBI-P2EFF-4-05								X	SCREEN - PRIMARY 1 EFFLUENT	
6	T4-VBI-S1EFF-4-06								X	SCREEN - PRIMARY 2 EFFLUENT	
7	T4-VBI-S2EFF-4-07								X	SCREEN - SECONDARY 1 EFFLUENT	
8	T4-VBI-EFF-4-08								X	SCREEN - SECONDARY 2 EFFLUENT	
9											
10											

SAMPLES COLLECTED BY		CARRIER AND AIR BILL NUMBER		RECEIVED BY		COOLER TEMPERATURE UPON RECEIPT	
RELINQUISHED BY		DATE		TIME		SAMPLE'S CONDITION UPON RECEIPT	
[Signature]		11/10/02		12:00		INTACT	
[Signature]							

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Client: Geofon Incorporated
Attn: Leo W. Williamson

Page 1 of 1

Client's Project: JPL #1
Date Received: 01/07/02
Matrix: Air
Units: ppbv

EPA Method TO14


Lab No:		A2010706-01		A2010706-02		A2010706-03		A2010706-04		A2010706-05	
Client Sample I.D.:		T4-VE1-B-4-01		T4-VE1-C-4-02		T4-VE1-INN-4-03		T4-VE1-P1EFF-4-04		T4-VE1-P2EFF-4-05	
Date Sampled:		01/07/02		01/07/02		01/07/02		01/07/02		01/07/02	
Date Analyzed:		01/08/02		01/08/02		01/08/02		01/08/02		01/08/02	
QC Batch No:		020108MS2A1		020108MS2A1		020108MS2A1		020108MS2A1		020108MS2A1	
Analyst Initials:		SC		SC		SC		SC		SC	
Dilution Factor:		2.0		1.0		2.0		2.0		4.0	
ANALYTE	MDL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Dichlorodifluoromethane (12)	1.0	4.9	2.0	1.5	1.0	ND	2.0	3.3	2.0	ND	4.0
Chloromethane	2.0	ND	4.0	ND	2.0	ND	4.0	ND	4.0	ND	8.0
1,2-CI-1,1,2,2-F ethane (114)	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
Vinyl Chloride	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
Bromomethane	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
Chloroethane	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
Trichlorofluoromethane (11)	1.0	34	2.0	54	1.0	42	2.0	72	2.0	53	4.0
1,1-Dichloroethene	1.0	94	2.0	22	1.0	50	2.0	96	2.0	134	4.0
1,1,2-CI 1,2,2-F ethane (113)	1.0	97	2.0	23	1.0	56	2.0	195	2.0	181	4.0
Methylene Chloride	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
1,1-Dichloroethane	1.0	ND	2.0	1.5	1.0	ND	2.0	4.8	2.0	6.7	4.0
c-1,2-Dichloroethene	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
Chloroform	1.0	199	2.0	112	1.0	150	2.0	172	2.0	202	4.0
1,1,1-Trichloroethane	1.0	21	2.0	9.5	1.0	15	2.0	18	2.0	21	4.0
Carbon Tetrachloride	1.0	447	2.0	164	1.0	293	2.0	363	2.0	407	4.0
Benzene	1.0	ND	2.0	1.2	1.0	ND	2.0	17	2.0	ND	4.0
1,2-Dichloroethane	1.0	ND	2.0	1.8	1.0	ND	2.0	ND	2.0	ND	4.0
Trichloroethene	1.0	126	2.0	149	1.0	147	2.0	2.5	2.0	4.3	4.0
1,2-Dichloropropane	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
c-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
Toluene	1.0	222	2.0	142	1.0	5.6	2.0	69	2.0	67	4.0
t-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
1,1,2-Trichloroethane	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
Tetrachloroethene	1.0	22	2.0	13	1.0	19	2.0	ND	2.0	ND	4.0
1,2-Dibromomethane	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
Chlorobenzene	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
Ethylbenzene	1.0	ND	2.0	1.1	1.0	ND	2.0	ND	2.0	ND	4.0
p,&m-Xylene	1.0	2.3	2.0	3.1	1.0	ND	2.0	5.7	2.0	ND	4.0
o-Xylene	1.0	ND	2.0	2.4	1.0	ND	2.0	2.8	2.0	ND	4.0
Styrene	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
1,1,2,2-Tetrachloroethane	2.0	ND	4.0	ND	2.0	ND	4.0	ND	4.0	ND	8.0
1,3,5-Trimethylbenzene	2.0	ND	4.0	ND	2.0	ND	4.0	ND	4.0	ND	8.0
1,2,4-Trimethylbenzene	2.0	ND	4.0	ND	2.0	ND	4.0	ND	4.0	ND	8.0
1,3-Dichlorobenzene	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
1,4-Dichlorobenzene	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
1,2-Dichlorobenzene	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
1,2,4-Trichlorobenzene	2.0	ND	4.0	ND	2.0	ND	4.0	ND	4.0	ND	8.0
Hexachlorobutadiene	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0

MDL = Method Detection Limit

ND= Not Detected (below RL)

RL = MDL X Dilution Factor

Reviewed/Approved By:



Mark Johnson

Air Toxics Operations Manager

Date 1-15-02

The cover letter is an integral part of this analytical report



Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

Client: Geofon Incorporated
Attn: Leo W. Williamson

Page1 of 1

Client's Project: JPL #1
Date Received: 01/07/02
Matrix: Air
Units: ppbv

EPA Method TO14

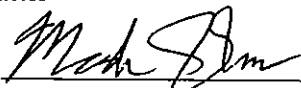
Lab No:	A2010706-06		A2010706-07		A2010706-08						
Client Sample I.D.:	T4-VE1-S1EFF-4-06		T4-VE1-S2EFF-4-07		T4-VE1-EFF-4-08						
Date Sampled:	01/07/02		01/07/02		01/07/02						
Date Analyzed:	01/08/02		01/08/02		01/08/02						
QC Batch No:	020108MS2A1		020108MS2A1		020108MS2A1						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	2.0		2.0		2.0						
ANALYTE	MDL	Result	RL	Result	RL	Result	RL				
Dichlorodifluoromethane (12)	1.0	5.0	2.0	4.5	2.0	6.2	2.0				
Chloromethane	2.0	ND	4.0	ND	4.0	ND	4.0				
1,2-CI-1,1,2,2-F ethane (114)	1.0	ND	2.0	ND	2.0	ND	2.0				
Vinyl Chloride	1.0	ND	2.0	ND	2.0	ND	2.0				
Bromomethane	1.0	ND	2.0	ND	2.0	ND	2.0				
Chloroethane	1.0	ND	2.0	ND	2.0	ND	2.0				
Trichlorofluoromethane (11)	1.0	186	2.0	176	2.0	240	2.0				
1,1-Dichloroethene	1.0	ND	2.0	ND	2.0	ND	2.0				
1,1,2-CI 1,2,2-F ethane (113)	1.0	367	2.0	314	2.0	426	2.0				
Methylene Chloride	1.0	ND	2.0	ND	2.0	ND	2.0				
1,1-Dichloroethane	1.0	ND	2.0	ND	2.0	ND	2.0				
c-1,2-Dichloroethene	1.0	ND	2.0	ND	2.0	ND	2.0				
Chloroform	1.0	ND	2.0	ND	2.0	ND	2.0				
1,1,1-Trichloroethane	1.0	ND	2.0	ND	2.0	ND	2.0				
Carbon Tetrachloride	1.0	ND	2.0	ND	2.0	ND	2.0				
Benzene	1.0	4.9	2.0	ND	2.0	2.3	2.0				
1,2-Dichloroethane	1.0	ND	2.0	ND	2.0	ND	2.0				
Trichloroethene	1.0	ND	2.0	ND	2.0	3.0	2.0				
1,2-Dichloropropane	1.0	ND	2.0	ND	2.0	ND	2.0				
c-1,3-Dichloropropene	1.0	ND	2.0	ND	2.0	ND	2.0				
Toluene	1.0	235	2.0	11	2.0	3.8	2.0				
t-1,3-Dichloropropene	1.0	ND	2.0	ND	2.0	ND	2.0				
1,1,2-Trichloroethane	1.0	ND	2.0	ND	2.0	ND	2.0				
Tetrachloroethene	1.0	5.0	2.0	ND	2.0	ND	2.0				
1,2-Dibromoethane	1.0	ND	2.0	ND	2.0	ND	2.0				
Chlorobenzene	1.0	ND	2.0	ND	2.0	ND	2.0				
Ethylbenzene	1.0	4.1	2.0	ND	2.0	ND	2.0				
p,&m-Xylene	1.0	12	2.0	3.5	2.0	ND	2.0				
o-Xylene	1.0	12	2.0	ND	2.0	ND	2.0				
Styrene	1.0	ND	2.0	ND	2.0	ND	2.0				
1,1,2,2-Tetrachloroethane	2.0	ND	4.0	ND	4.0	ND	4.0				
1,3,5-Trimethylbenzene	2.0	5.1	4.0	ND	4.0	ND	4.0				
1,2,4-Trimethylbenzene	2.0	11	4.0	ND	4.0	ND	4.0				
1,3-Dichlorobenzene	1.0	ND	2.0	ND	2.0	ND	2.0				
1,4-Dichlorobenzene	1.0	ND	2.0	ND	2.0	ND	2.0				
1,2-Dichlorobenzene	1.0	ND	2.0	ND	2.0	ND	2.0				
1,2,4-Trichlorobenzene	2.0	ND	4.0	ND	4.0	ND	4.0				
Hexachlorobutadiene	1.0	ND	2.0	ND	2.0	ND	2.0				

MDL = Method Detection Limit

ND= Not Detected (below RL)

RL = MDL X Dilution Factor

Reviewed/Approved By:


Mark Johnson
Air Toxics Operations Manager

Date 1-15-02

The cover letter is an integral part of this analytical report



Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

Matrix: Air[illegible]

RPD = Relative Percent Difference

Reviewed/Approved By:

Mark Johnson

Air Toxics Operations Manager

Date: 1-15-02

The cover letter is an integral part of this analytical report



01/23/2002

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A2011401-01/02

Enclosed are results for sample(s) received 1/14/02 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 1/23/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,



Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.



Client: Geofon Incorporated
Attn: Leo W. Williamson

Page 1 of 1

Client's Project: JPL #1
Date Received: 01/14/02
Matrix: Air
Units: ppbv

EPA Method TO14

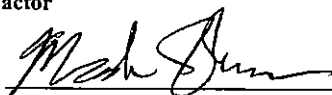
Lab No:	A2011401-01	A2011401-02			
Client Sample I.D.:	T4-VE1-INN-5-01	T4-VE1-EFF-5-02			
Date Sampled:	01/14/02	01/14/02			
Date Analyzed:	01/16/02	01/16/02			
QC Batch No:	020116MS2A1	020116MS2A1			
Analyst Initials:	SC	SC			
Dilution Factor:	2.0	1.0			
ANALYTE	MDL	Result	RL	Result	RL
Dichlorodifluoromethane (12)	1.0	3.6	2.0	5.7	1.0
Chloromethane	2.0	ND	4.0	ND	2.0
1,2-CI-1,1,2,2-F ethane (114)	1.0	ND	2.0	ND	1.0
Vinyl Chloride	1.0	ND	2.0	ND	1.0
Bromomethane	1.0	ND	2.0	ND	1.0
Chloroethane	1.0	ND	2.0	ND	1.0
Trichlorofluoromethane (11)	1.0	42	2.0	93	1.0
1,1-Dichloroethene	1.0	64	2.0	1.2	1.0
1,1,2-CI 1,2,2-F ethane (113)	1.0	84	2.0	149	1.0
Methylene Chloride	1.0	ND	2.0	ND	1.0
1,1-Dichloroethane	1.0	2.0	2.0	ND	1.0
c-1,2-Dichloroethene	1.0	ND	2.0	ND	1.0
Chloroform	1.0	172	2.0	ND	1.0
1,1,1-Trichloroethane	1.0	16	2.0	ND	1.0
Carbon Tetrachloride	1.0	463	2.0	ND	1.0
Benzene	1.0	ND	2.0	1.9	1.0
1,2-Dichloroethane	1.0	ND	2.0	ND	1.0
Trichloroethene	1.0	166	2.0	ND	1.0
1,2-Dichloropropane	1.0	ND	2.0	ND	1.0
c-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0
Toluene	1.0	6.7	2.0	1.8	1.0
t-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0
1,1,2-Trichloroethane	1.0	ND	2.0	ND	1.0
Tetrachloroethene	1.0	29	2.0	ND	1.0
1,2-Dibromoethane	1.0	ND	2.0	ND	1.0
Chlorobenzene	1.0	ND	2.0	ND	1.0
Ethylbenzene	1.0	4.8	2.0	ND	1.0
p,&m-Xylene	1.0	13	2.0	ND	1.0
o-Xylene	1.0	7.1	2.0	ND	1.0
Styrene	1.0	ND	2.0	ND	1.0
1,1,2,2-Tetrachloroethane	2.0	ND	4.0	ND	2.0
1,3,5-Trimethylbenzene	2.0	ND	4.0	ND	2.0
1,2,4-Trimethylbenzene	2.0	ND	4.0	ND	2.0
1,3-Dichlorobenzene	1.0	ND	2.0	ND	1.0
1,4-Dichlorobenzene	1.0	ND	2.0	ND	1.0
1,2-Dichlorobenzene	1.0	ND	2.0	ND	1.0
1,2,4-Trichlorobenzene	2.0	ND	4.0	ND	2.0
Hexachlorobutadiene	1.0	ND	2.0	ND	1.0

MDL = Method Detection Limit

ND= Not Detected (below RL)

RL = MDL X Dilution Factor

Reviewed/Approved By:


Mark Johnson

Air Toxics Operations Manager

Date 1-23-02

The cover letter is an integral part of this analytical report



Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 020116MS2A1

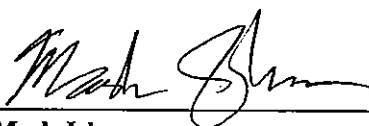
Matrix: Air

EPA Method TO-14/TO-15

Lab No:	Method Blank		LCS	LCSD							
Date Analyzed:	01/16/02		01/16/02	01/16/02							
Data File ID:	16JAN005.D		16JAN003.D	16JAN004.D							
Analyst Initials:	SC		SC	SC							
Dilution Factor:	1.0		1.0	1.0							
								Limits			
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.7	87	8.7	87	0.6	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.8	98	9.4	94	3.7	70	130	30	Pass
Trichloroethene	0.0	10.0	7.8	78	7.8	78	0.4	70	130	30	Pass
Toluene	0.0	10.0	8.2	82	8.1	81	1.2	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.4	84	8.3	83	1.2	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By:



Mark Johnson

Air Toxics Operations Manager

Date:

1-23-02

The cover letter is an integral part of this analytical report

Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

FEB 11 2002 07

01/31/2002

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A2012104-01/04

Enclosed are results for sample(s) received 1/21/02 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 1/31/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,



Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.



A2012104



INCORPORATED
22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON LAB COORDINATOR		LAB COORDINATOR'S PHONE		LAB COORDINATOR'S FAX		LABORATORY SERVICE ID		LABORATORY CONTACT		MAIL REPORT (COMPANY NAME)	
ED W. WILLIAMSON		909-396-7662		909-396-1455		JPL VBI		JON DELA OSSA		GEOFON INC.	
PROJECT NAME		PROJECT LOCATION		PROJECT NUMBER		LABORATORY PHONE		LABORATORY FAX		RECIPIENT NAME	
JPL #1		JPL VBI		04-4304-480		626-964-4032		626-964-5832		ED W. WILLIAMSON	
PROJECT CONTACT		PROJECT PHONE NUMBER		PROJECT FAX		LABORATORY ADDRESS		LABORATORY CITY, STATE AND ZIP CODE		ADDRESS	
ED W. WILLIAMSON		714-920-8438		N/A		18501 E. GALE AVE #130		CITY OF INDUSTRY CA 91748		22632 GOLDEN SPRINGS DR	
PROJECT ADDRESS		CITY, STATE AND ZIP CODE		CLIENT		LABORATORY CITY, STATE AND ZIP CODE		LABORATORY CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE	
1800 OAKGROVE DR PASADENA CA		PASADENA CA		US NAVY SWDIV		CITY OF INDUSTRY CA 91748		CITY OF INDUSTRY CA 91748		DIAMOND BAR CA 91765	
PROJECT MANAGER'S PHONE		PROJECT MANAGER'S FAX		PROJECT MANAGER'S NAME		PROJECT MANAGER'S ADDRESS		PROJECT MANAGER'S CITY, STATE AND ZIP CODE		PROJECT MANAGER'S CITY, STATE AND ZIP CODE	
ASLAR PATTERNY		909-396-7662		909-396-1455		909-396-7662		909-396-1455		909-396-1455	
Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses	Comments	
1	T4-VBI-B-6-01	AIR	12-11-02	1140	1*	3	NORMAL	X	X	1* L TEBDLAK BAG SCREEN - B	
2	T4-VBI-C-6-02			1145				X	X	SCREEN - C	
3	T4-VBI-INV-6-03			1150				X	X	SCREEN - INFLUENT	
4	T4-VBI-EFF-6-04			1155				X	X	SCREEN - EFFLUENT	
5											
6											
7											
8											
9											
10											

SAMPLES COLLECTED BY		COURIER AND AIR BILL NUMBER		COOLER TEMPERATURE UPON RECEIPT	
RELINQUISHED BY		BEHEIVED BY		SAMPLE'S CONDITION UPON RECEIPT	
[Signature]		[Signature]		1-21-02 13:30	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Client: Geofon Incorporated
Attn: Leo W. Williamson

Page 1 of 1

Client's Project: JPL #1
Date Received: 01/21/02
Matrix: Air
Units: ppbv

EPA Method TO14

Lab No:		A2012104-01		A2012104-02		A2012104-03		A2012104-04			
Client Sample I.D.:		T4-VE1-B-6-01		T4-VE1-C-6-02		T4-VE1-INN-6-03		T4-VE1-EFF-6-04			
Date Sampled:		01/21/02		01/21/02		01/21/02		01/21/02			
Date Analyzed:		01/22/02		01/22/02		01/22/02		01/22/02			
QC Batch No:		020122MS2A1		020122MS2A1		020122MS2A1		020122MS2A1			
Analyst Initials:		SC		SC		SC		SC			
Dilution Factor:		4.0		2.0		4.0		1.0			
ANALYTE	MDL	Result	RL	Result	RL	Result	RL	Result	RL		
Dichlorodifluoromethane (12)	1.0	6.1	4.0	ND	2.0	ND	4.0	7.4	1.0		
Chloromethane	2.0	ND	8.0	ND	4.0	ND	8.0	ND	2.0		
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
Vinyl Chloride	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
Bromomethane	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
Chloroethane	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
Trichlorofluoromethane (11)	1.0	30	4.0	68	2.0	45	4.0	123	1.0		
1,1-Dichloroethene	1.0	94	4.0	35	2.0	62	4.0	9.0	1.0		
1,1,2-Cl 1,2,2-F ethane (113)	1.0	89	4.0	82	2.0	80	4.0	250	1.0		
Methylene Chloride	1.0	ND	4.0	ND	2.0	ND	4.0	1.1	1.0		
1,1-Dichloroethane	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
c-1,2-Dichloroethene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
Chloroform	1.0	197	4.0	130	2.0	168	4.0	2.0	1.0		
1,1,1-Trichloroethane	1.0	21	4.0	9.2	2.0	14	4.0	ND	1.0		
Carbon Tetrachloride	1.0	676	4.0	307	2.0	492	4.0	ND	1.0		
Benzene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
1,2-Dichloroethane	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
Trichloroethene	1.0	91	4.0	191	2.0	161	4.0	ND	1.0		
1,2-Dichloropropane	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
c-1,3-Dichloropropene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
Toluene	1.0	122	4.0	92	2.0	7.9	4.0	1.0	1.0		
t-1,3-Dichloropropene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
1,1,2-Trichloroethane	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
Tetrachloroethene	1.0	30	4.0	21	2.0	35	4.0	ND	1.0		
1,2-Dibromoethane	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
Chlorobenzene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
Ethylbenzene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
p,m-Xylene	1.0	6.5	4.0	5.2	2.0	4.9	4.0	ND	1.0		
o-Xylene	1.0	ND	4.0	2.3	2.0	ND	4.0	ND	1.0		
Styrene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
1,1,2,2-Tetrachloroethane	2.0	ND	8.0	ND	4.0	ND	8.0	ND	2.0		
1,3,5-Trimethylbenzene	2.0	ND	8.0	ND	4.0	ND	8.0	ND	2.0		
1,2,4-Trimethylbenzene	2.0	ND	8.0	ND	4.0	ND	8.0	ND	2.0		
1,3-Dichlorobenzene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
1,4-Dichlorobenzene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
1,2-Dichlorobenzene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
1,2,4-Trichlorobenzene	2.0	ND	8.0	ND	4.0	ND	8.0	ND	2.0		
Hexachlorobutadiene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		

MDL = Method Detection Limit
ND= Not Detected (below RL)
RL = MDL X Dilution Factor

Reviewed/Approved By:

Mark Johnson
Mark Johnson
Air Toxics Operations Manager

Date 1-31-02

The cover letter is an integral part of this analytical report



Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

Matrix: Air

[illegible]

RPD = Relative Percent Difference

Reviewed/Approved By:

Mark Zimm

Mark Johnson

Air Toxics Operations Manager

Date:

1-31-02

The cover letter is an integral part of this analytical report.



FEB 11 2002

02/05/2002

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A2012801-01/05

Enclosed are results for sample(s) received 1/28/02 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 2/05/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,



Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.





IN COFFRATED
22632 GOLDEN SPRINGS DR., SUITE 270

22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 •

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEORGE LAB COORDINATOR		LAB COORDINATOR'S PHONE		LAB COORDINATOR'S FAX		LABORATORY SERVICE ID		LABORATORY CONTACT		MAIL REPORT (COMPANY NAME)	
PROJECT NAME		PROJECT LOCATION		PROJECT NUMBER		LABORATORY PHONE		LABORATORY FAX		RECIPIENT NAME	
PROJECT CONTACT		PROJECT PHONE NUMBER		PROJECT FAX		LABORATORY ADDRESS		LABORATORY ADDRESS		ADDRESS	
LEO W. WILLIAMSON		909-396-7662		909-396-1455		626-964-480		626-964-5832		LEO W. WILLIAMSON	
PROJECT #1		SPL - VES		N/A		04-4304-480		1850 E. CALE AVE #130		22632 GOLDEN SPRING DR #270	
PROJECT ADDRESS		714-920-8438		US NAVY SWDIR		CITY OF INDUSTRY CA 91748		CITY OF INDUSTRY CA 91748		DIAMOND BAR CA 91765	
PROJECT MANAGER		409-396-7662		909-396-1455		PROJECT MANAGER'S FAX					
ASAPR EMISSION											
Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	TAT	Analyses	Comments	
1	T4-VE1-A-7-01	AIR	1-28-02	1040 AM	1*	3	NORM		X	1* L TEDIAR BAG	
2	T4-VE1-B-7-02			1045					X	SCREEN - A	
3	T4-VE1-C-7-03			1050					X	SCREEN - B	
4	T4-VE1-DN-7-04			1055					X	SCREEN - C	
5	T4-VE1-EPP-7-05			1100					X	SCREEN - INFLUENT	
6										SCREEN - EFFLUENT	
7											
8											
9											
10											
SAMPLES COLLECTED BY		COURIER AND AIR BILL NUMBER:		RECEIVED BY		DATE		TIME		COOLER TEMPERATURE UPON RECEIPT	
LEO W. WILLIAMSON		8		SPL		01/28/02		12:40		SAMPLE'S CONDITION UPON RECEIPT	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Client: Geofon Incorporated
Attn: Leo W. Williamson

Page1 of 1

Client's Project: JPL #1
Date Received: 01/28/02
Matrix: Air
Units: ppbv

EPA Method TO14


Lab No:		A2012801-01		A2012801-02		A2012801-03		A2012801-04		A2012801-05	
Client Sample I.D.:		T4-VE1-A-7-01		T4-VE1-B-7-02		T4-VE1-C-7-03		T4-VE1-INN-7-04		T4-VE1-EFF-7-05	
Date Sampled:		01/28/02		01/28/02		01/28/02		01/28/02		01/28/02	
Date Analyzed:		01/30/02		01/30/02		01/30/02		01/30/02		01/30/02	
QC Batch No:		020130MS2A1		020130MS2A1		020130MS2A1		020130MS2A1		020130MS2A1	
Analyst Initials:		SC		SC		SC		SC		SC	
Dilution Factor:		5.0		4.0		2.0		3.0		1.0	
ANALYTE	MDL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Dichlorodifluoromethane (12)	1.0	6.0	5.0	4.9	4.0	ND	2.0	ND	3.0	5.7	1.0
Chloromethane	2.0	ND	10	ND	8.0	ND	4.0	ND	6.0	ND	2.0
1,2-CI-1,1,2,2-F ethane (114)	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Vinyl Chloride	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Bromomethane	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Chloroethane	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Trichlorofluoromethane (11)	1.0	ND	5.0	33	4.0	69	2.0	42	3.0	63	1.0
1,1-Dichloroethene	1.0	11	5.0	87	4.0	31	2.0	52	3.0	15	1.0
1,1,2-CI 1,2,2-F ethane (113)	1.0	6.5	5.0	86	4.0	80	2.0	71	3.0	135	1.0
Methylene Chloride	1.0	ND	5.0	ND	4.0	2.0	2.0	ND	3.0	2.6	1.0
1,1-Dichloroethane	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	1.5	1.0
c-1,2-Dichloroethene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Chloroform	1.0	371	5.0	194	4.0	118	2.0	165	3.0	6.5	1.0
1,1,1-Trichloroethane	1.0	8.3	5.0	17	4.0	8.3	2.0	12	3.0	ND	1.0
Carbon Tetrachloride	1.0	819	5.0	580	4.0	255	2.0	432	3.0	5.5	1.0
Benzene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
1,2-Dichloroethane	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Trichloroethene	1.0	ND	5.0	91	4.0	196	2.0	132	3.0	ND	1.0
1,2-Dichloropropane	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
c-1,3-Dichloropropene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Toluene	1.0	49	5.0	45	4.0	28	2.0	3.8	3.0	ND	1.0
t-1,3-Dichloropropene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
1,1,2-Trichloroethane	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Tetrachloroethene	1.0	14	5.0	44	4.0	24	2.0	35	3.0	ND	1.0
1,2-Dibromoethane	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Chlorobenzene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Ethylbenzene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
p,&m-Xylene	1.0	8.9	5.0	5.8	4.0	4.2	2.0	4.5	3.0	ND	1.0
o-Xylene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Styrene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
1,1,2,2-Tetrachloroethane	2.0	ND	10	ND	8.0	ND	4.0	ND	6.0	ND	2.0
1,3,5-Trimethylbenzene	2.0	ND	10	ND	8.0	ND	4.0	ND	6.0	ND	2.0
1,2,4-Trimethylbenzene	2.0	ND	10	ND	8.0	ND	4.0	ND	6.0	ND	2.0
1,3-Dichlorobenzene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
1,4-Dichlorobenzene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
1,2-Dichlorobenzene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
1,2,4-Trichlorobenzene	2.0	ND	10	ND	8.0	ND	4.0	ND	6.0	ND	2.0
Hexachlorobutadiene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0

MDL = Method Detection Limit

ND= Not Detected (below RL)

RL = MDL X Dilution Factor

Reviewed/Approved By:


Mark Johnson
Air Toxics Operations Manager

Date 2-5-02

The cover letter is an integral part of this analytical report



Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 020130MS2A1

Matrix: Air

EPA Method TO-14/TO-15

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	01/30/02		01/30/02		01/30/02						
Data File ID:	30JAN006.D		30JAN004.D		30JAN005.D						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	1.0		1.0		1.0						
							Limits				
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	11.2	112	10.8	108	3.1	70	130	30	Pass
Methylene Chloride	0.0	10.0	12.7	127	12.4	124	2.3	70	130	30	Pass
Trichloroethene	0.0	10.0	9.2	92	9.2	92	0.0	70	130	30	Pass
Toluene	0.0	10.0	10.0	100	10.0	100	0.6	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.6	86	8.6	86	0.5	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By: Mark Johnson

Mark Johnson

Air Toxics Operations Manager

Date: 2-5-02

The cover letter is an integral part of this analytical report

Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

FEBRUARY 2002

03/04/2002

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A2022108-01/05

Enclosed are results for sample(s) received 2/21/02 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 3/04/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,



Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.



A2022108



INCORPORATED
22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON LAB COORDINATOR		LAB COORDINATOR'S PHONE		LAB COORDINATOR'S FAX		LABORATORY SERVICE ID		LABORATORY CONTACT		MAIL REPORT (COMPANY NAME)	
LEO W. WILLIAMSON		909-396-7662		909-396-1455				TAMAR LA Ossa		GEOFON INC	
PROJECT NAME		PROJECT LOCATION		PROJECT NUMBER		LABORATORY PHONE		LABORATORY FAX		RECIPIENT NAME	
SPL A1		SPL YET		04-4304-480		626-964-4032		626-964-5832		LEO W. WILLIAMSON	
PROJECT CONTACT		PROJECT PHONE NUMBER		PROJECT FAX		LABORATORY ADDRESS		LABORATORY CITY, STATE AND ZIP CODE		ADDRESS	
LEO W. WILLIAMSON		714-920-8438		N/A		18501 E. GALE AVE #130		CITY OF INDUSTRIAL CA 91748		22632 GOLDEN SPRINGS DR #270	
PROJECT ADDRESS		CITY, STATE AND ZIP CODE		CLIENT		LABORATORY CITY, STATE AND ZIP CODE		LABORATORY CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE	
1800 OAK GLEN DR		PASADENA CA		US NAVY SWDIV		CITY OF INDUSTRIAL CA 91748		DIAMOND BAR CA 91765			
PROJECT MANAGER		PROJECT MANAGER'S PHONE		PROJECT MANAGER'S FAX		LABORATORY CITY, STATE AND ZIP CODE		LABORATORY CITY, STATE AND ZIP CODE		CITY, STATE AND ZIP CODE	
ASRAE FAHERBY		909-396-7662		909-396-1455							
Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	TAT	Analyses	Comments	
1	T4-VET-A-10-01	AIR	2/2/02	1140	NONE	1*	3	NONE	X	1* L TETRAE BAG	
2	T4-VET-B-10-02			1145					X	SCREEN - A	
3	T4-VET-C-10-03			1150					X	SCREEN - B	
4	T4-VET-11NW-10-04			1155					X	SCREEN - C	
5	T4-VET-EFF-10-05			1200					X	SCREEN - INFLUENT	
6										SCREEN - EFFLUENT	
7											
8											
9											
10											
SAMPLES COLLECTED BY: [Signature]										COOLER TEMPERATURE UPON RECEIPT	
RECEIVED BY: [Signature]										SAMPLE'S CONDITION UPON RECEIPT	
DATE: 2/2/02										TIME: 14:15	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Client: Geofon Incorporated
Attn: Leo W. Williamson

Client's Project: JPL #1
Date Received: 02/21/02
Matrix: Air
Units: ppbv

EPA Method TO14

EPA Method TO14											
Lab No:		A2022108-01		A2022108-02		A2022108-03		A2022108-04		A2022108-05	
Client Sample I.D.:		T4-VE1-A-10-01		T4-VE1-B-10-02		T4-VE1-C-10-03		T4-VE1-INN-10-04		T4-VE1-EFF-10-05	
Date Sampled:		02/21/02		02/21/02		02/21/02		02/21/02		02/21/02	
Date Analyzed:		02/22/02		02/22/02		02/22/02		02/22/02		02/22/02	
QC Batch No:		020222MS2A1		020222MS2A1		020222MS2A1		020222MS2A1		020222MS2A1	
Analyst Initials:		SC		SC		SC		SC		SC	
Dilution Factor:		4.0		4.0		2.0		4.0		1.0	
ANALYTE	MDL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Dichlorodifluoromethane (12)	1.0	4.4	4.0	5.8	4.0	ND	2.0	ND	4.0	ND	1.0
Chloromethane	2.0	ND	8.0	ND	8.0	ND	4.0	ND	8.0	ND	2.0
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
Vinyl Chloride	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
Bromomethane	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
Chloroethane	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
Trichlorofluoromethane (11)	1.0	ND	4.0	63	4.0	114	2.0	60	4.0	ND	1.0
1,1-Dichloroethene	1.0	16	4.0	115	4.0	36	2.0	53	4.0	ND	1.0
1,1,2-Cl 1,2,2-F ethane (113)	1.0	8.3	4.0	126	4.0	89	2.0	73	4.0	ND	1.0
Methylene Chloride	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
1,1-Dichloroethane	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
c-1,2-Dichloroethene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
Chloroform	1.0	357	4.0	227	4.0	144	2.0	208	4.0	ND	1.0
1,1,1-Trichloroethane	1.0	8.6	4.0	21	4.0	11	2.0	12	4.0	ND	1.0
Carbon Tetrachloride	1.0	830	4.0	698	4.0	288	2.0	504	4.0	ND	1.0
Benzene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	1.9	1.0
1,2-Dichloroethane	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
Trichloroethene	1.0	4.3	4.0	106	4.0	238	2.0	139	4.0	ND	1.0
1,2-Dichloropropane	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
c-1,3-Dichloropropene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
Toluene	1.0	86	4.0	110	4.0	89	2.0	5.9	4.0	1.0	1.0
t-1,3-Dichloropropene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
1,1,2-Trichloroethane	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
Tetrachloroethene	1.0	9.6	4.0	49	4.0	23	2.0	33	4.0	ND	1.0
1,2-Dibromoethane	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
Chlorobenzene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
Ethylbenzene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
p,&m-Xylene	1.0	6.1	4.0	17	4.0	8.4	2.0	11	4.0	ND	1.0
o-Xylene	1.0	ND	4.0	6.5	4.0	3.0	2.0	ND	4.0	ND	1.0
Styrene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
1,1,2,2-Tetrachloroethane	2.0	ND	8.0	ND	8.0	ND	4.0	ND	8.0	ND	2.0
1,3,5-Trimethylbenzene	2.0	ND	8.0	ND	8.0	ND	4.0	ND	8.0	ND	2.0
1,2,4-Trimethylbenzene	2.0	ND	8.0	ND	8.0	ND	4.0	ND	8.0	ND	2.0
1,3-Dichlorobenzene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
1,4-Dichlorobenzene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
1,2-Dichlorobenzene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
1,2,4-Trichlorobenzene	2.0	ND	8.0	ND	8.0	ND	4.0	ND	8.0	ND	2.0
Hexachlorobutadiene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0

MDL = Method Detection Limit

ND= Not Detected (below RL)

RL = MDL X Dilution Factor

Reviewed/Approved By:

Mark Johnson

Mark Johnson
Air Toxics Operations Manager

Date 3-4-02

The cover letter is an integral part of this analytical report



Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 020222MS2A1

Matrix: Air

EPA Method TO-14/TO-15											
Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	02/22/02		02/22/02		02/22/02						
Data File ID:	22FEB006.D		22FEB003.D		22FEB004.D						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	1.0		1.0		1.0						
								Limits			
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	11.6	116	11.7	117	1.1	70	130	30	Pass
Methylene Chloride	0.0	10.0	12.7	127	12.6	126	0.7	70	130	30	Pass
Trichloroethene	0.0	10.0	9.8	98	9.7	97	0.4	70	130	30	Pass
Toluene	0.0	10.0	9.4	94	9.5	95	0.2	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	7.9	79	8.0	80	1.0	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By: Mark Johnson

Mark Johnson

Air Toxics Operations Manager

Date: 3-4-02

The cover letter is an integral part of this analytical report

Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

03/04/2002

Geofon, Inc.
ATTN: Leo W. Williamson
22632 Golden Springs Dr., Suite 270
Diamond Bar, CA 91765

Project Reference: JPL #1
Lab Number: A2022604-01/02

Enclosed are results for sample(s) received 2/26/02 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 3/04/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,



Mark Johnson
Air Toxics Operations Manager
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.





DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

LABORATORY COPY

[illegible]

Client: Geofon Incorporated
Attn: Leo W. Williamson

Page1 of 1

Client's Project: JPL #1
Date Received: 02/26/02
Matrix: Air
Units: ppbv

EPA Method TO14


Lab No:	A2022604-01	A2022604-02			
Client Sample I.D.:	T4-VE1-INN-11-01	T4-VE1-EFF-11-02			
Date Sampled:	02/26/02	02/26/02			
Date Analyzed:	02/26/02	02/26/02			
QC Batch No:	020226MS2A1	020226MS2A1			
Analyst Initials:	SC	SC			
Dilution Factor:	3.0	1.0			
ANALYTE	MDL	Result	RL	Result	RL
Dichlorodifluoromethane (12)	1.0	5.2	3.0	ND	1.0
Chloromethane	2.0	ND	6.0	ND	2.0
1,2-CI-1,1,2,2-F ethane (114)	1.0	ND	3.0	ND	1.0
Vinyl Chloride	1.0	ND	3.0	ND	1.0
Bromomethane	1.0	ND	3.0	ND	1.0
Chloroethane	1.0	ND	3.0	ND	1.0
Trichlorofluoromethane (11)	1.0	72	3.0	ND	1.0
1,1-Dichloroethene	1.0	50	3.0	ND	1.0
1,1,2-CI 1,2,2-F ethane (113)	1.0	74	3.0	ND	1.0
Methylene Chloride	1.0	ND	3.0	ND	1.0
1,1-Dichloroethane	1.0	ND	3.0	ND	1.0
c-1,2-Dichloroethene	1.0	ND	3.0	ND	1.0
Chloroform	1.0	213	3.0	ND	1.0
1,1,1-Trichloroethane	1.0	11	3.0	ND	1.0
Carbon Tetrachloride	1.0	453	3.0	ND	1.0
Benzene	1.0	ND	3.0	2.3	1.0
1,2-Dichloroethane	1.0	ND	3.0	ND	1.0
Trichloroethene	1.0	126	3.0	ND	1.0
1,2-Dichloropropane	1.0	ND	3.0	ND	1.0
c-1,3-Dichloropropene	1.0	ND	3.0	ND	1.0
Toluene	1.0	4.0	3.0	ND	1.0
t-1,3-Dichloropropene	1.0	ND	3.0	ND	1.0
1,1,2-Trichloroethane	1.0	ND	3.0	ND	1.0
Tetrachloroethene	1.0	31	3.0	ND	1.0
1,2-Dibromoethane	1.0	ND	3.0	ND	1.0
Chlorobenzene	1.0	ND	3.0	ND	1.0
Ethylbenzene	1.0	ND	3.0	ND	1.0
p,m-Xylene	1.0	8.9	3.0	ND	1.0
o-Xylene	1.0	3.1	3.0	ND	1.0
Styrene	1.0	ND	3.0	ND	1.0
1,1,2,2-Tetrachloroethane	2.0	ND	6.0	ND	2.0
1,3,5-Trimethylbenzene	2.0	ND	6.0	ND	2.0
1,2,4-Trimethylbenzene	2.0	ND	6.0	ND	2.0
1,3-Dichlorobenzene	1.0	ND	3.0	ND	1.0
1,4-Dichlorobenzene	1.0	ND	3.0	ND	1.0
1,2-Dichlorobenzene	1.0	ND	3.0	ND	1.0
1,2,4-Trichlorobenzene	2.0	ND	6.0	ND	2.0
Hexachlorobutadiene	1.0	ND	3.0	ND	1.0

MDL = Method Detection Limit

ND= Not Detected (below RL)

RL = MDL X Dilution Factor

Reviewed/Approved By:


Mark Johnson
Air Toxics Operations Manager

Date 3-4-02

The cover letter is an integral part of this analytical report



Advanced Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 020226MS2A1

Matrix: Air

EPA Method TO-14/TO-15											
Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	02/26/02		02/26/02		02/26/02						
Data File ID:	26FEB003.D		26FEB012.D		26FEB013.D						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	1.0		1.0		1.0						
								Limits			
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	11.5	115	12.0	120	4.7	70	130	30	Pass
Methylene Chloride	0.0	10.0	12.3	123	13.0	130	5.1	70	130	30	Pass
Trichloroethene	0.0	10.0	9.9	99	10.4	104	5.1	70	130	30	Pass
Toluene	0.0	10.0	9.7	97	9.9	99	2.1	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	7.8	78	8.2	82	5.5	70	130	30	Pass